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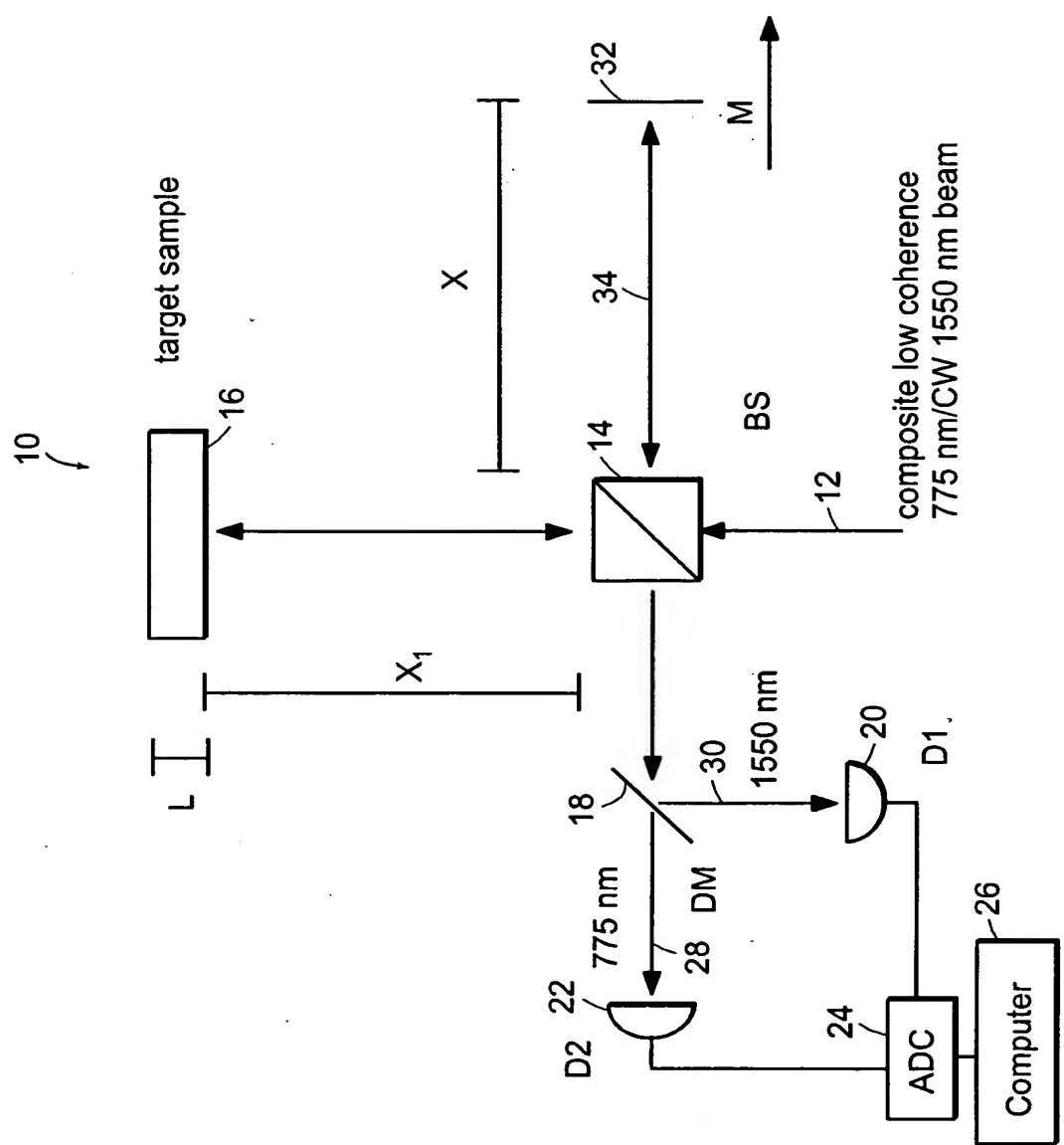


Fig 1

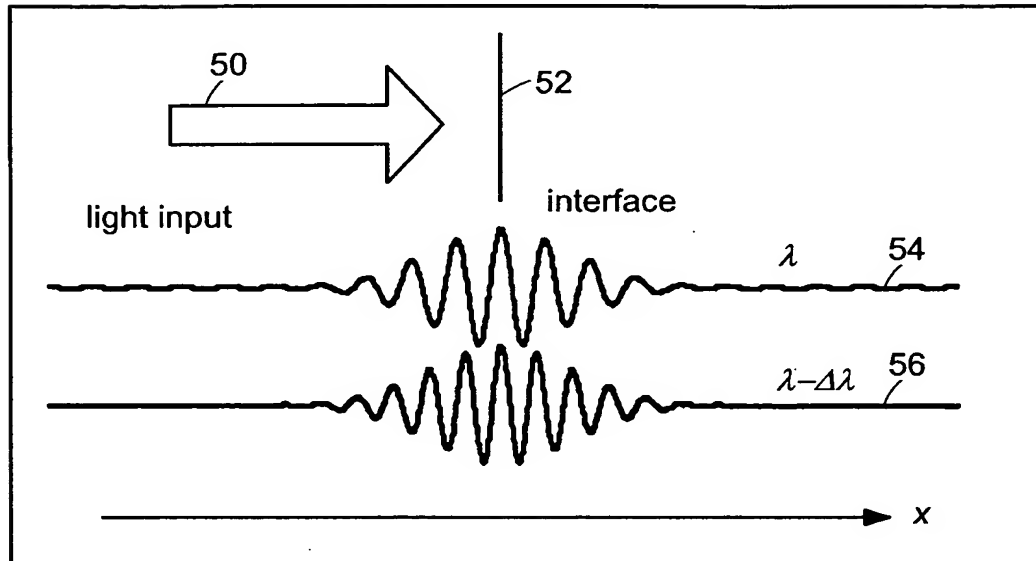


Fig 2

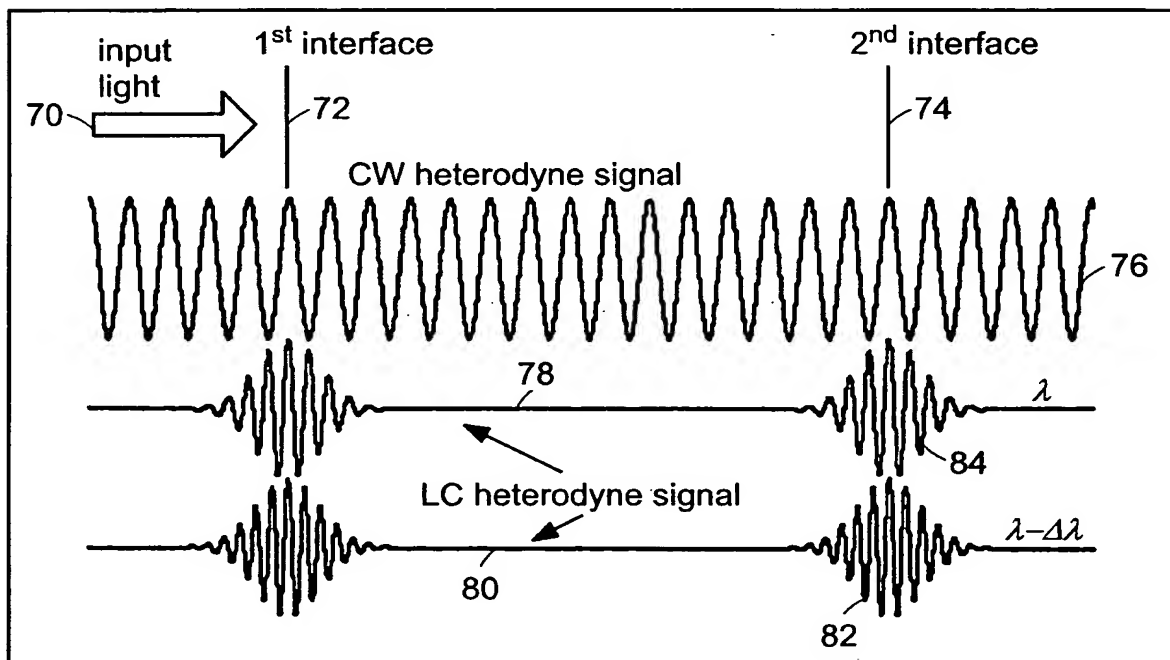


Fig 3

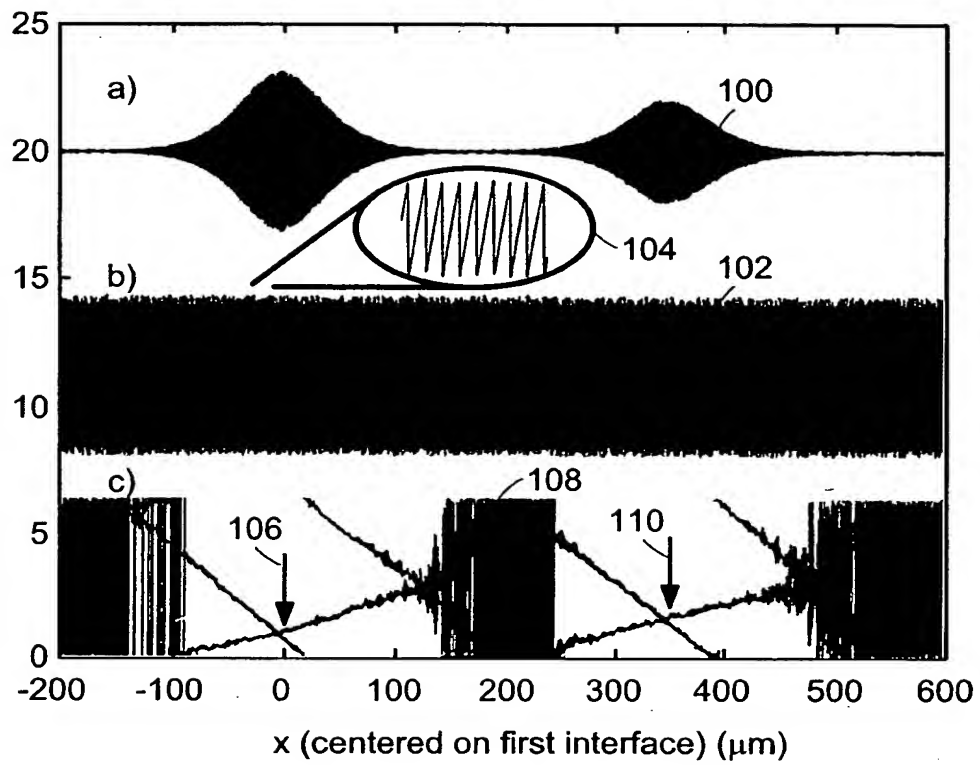


Fig 4

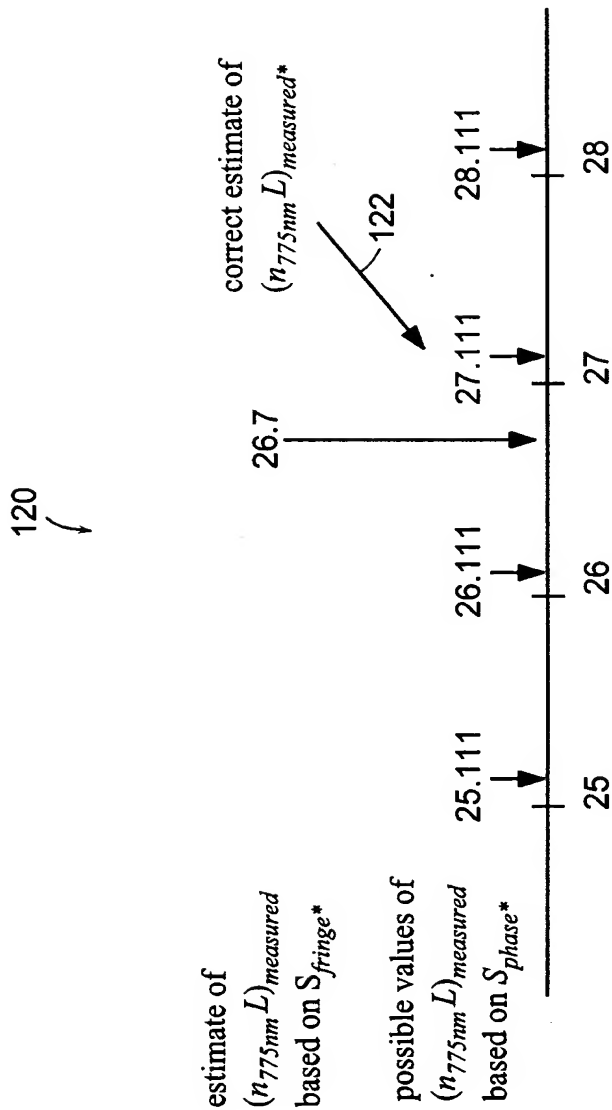


Fig. 5

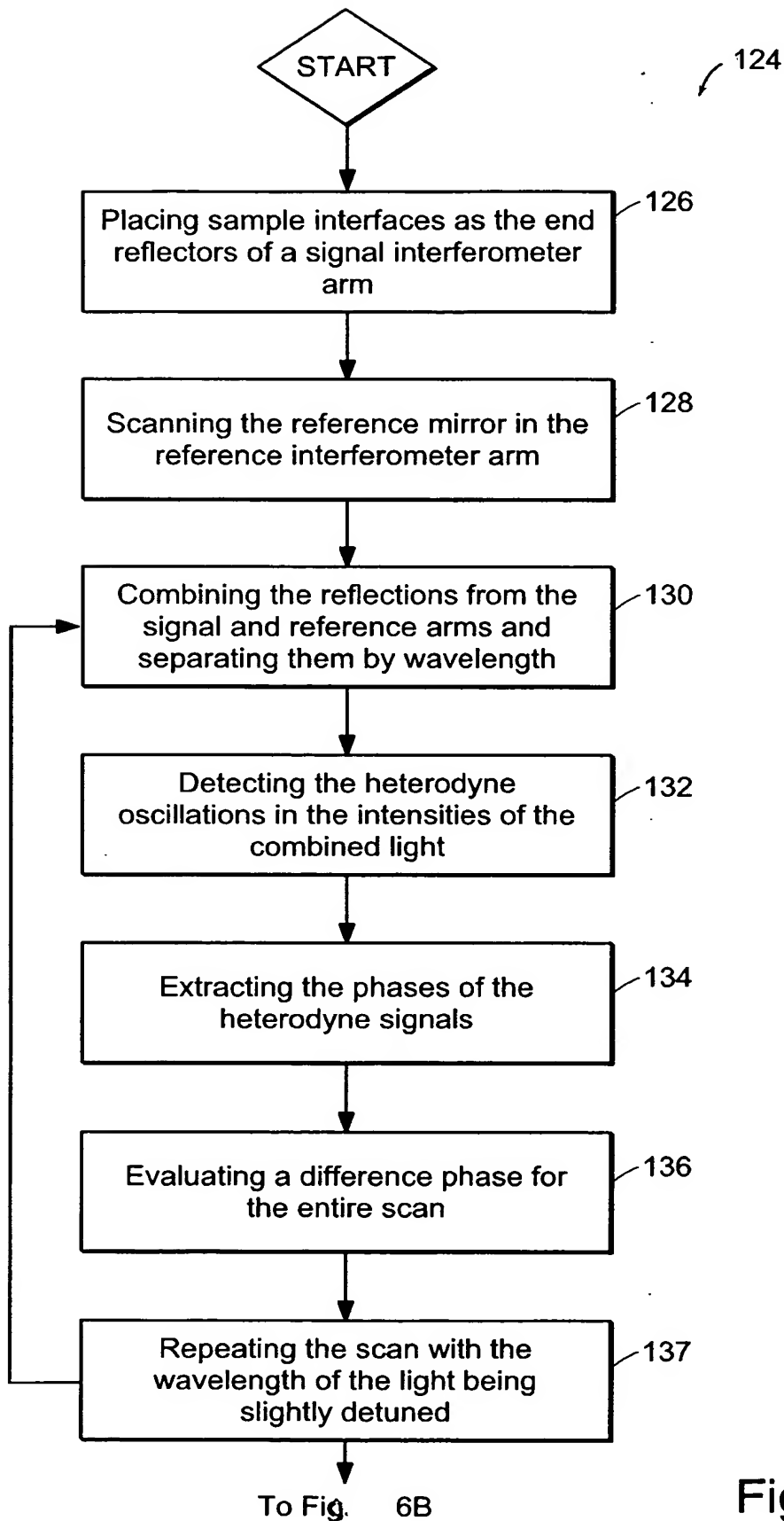


Fig. 6A

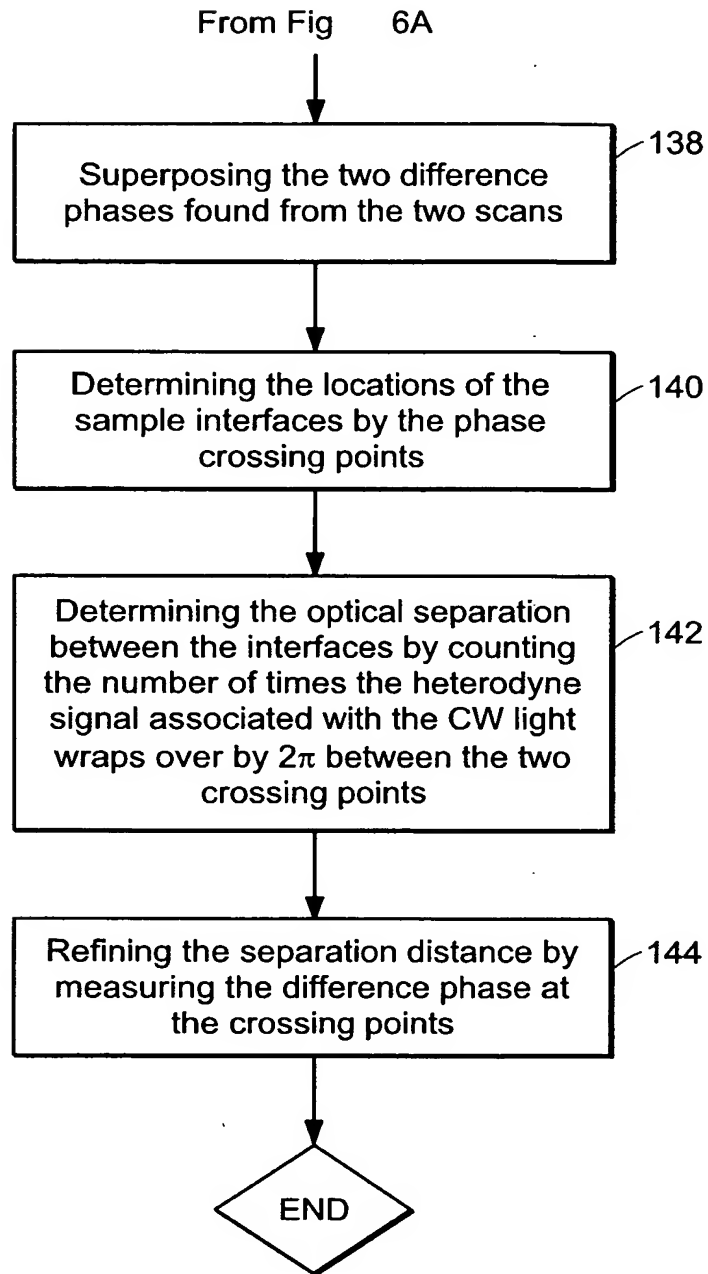
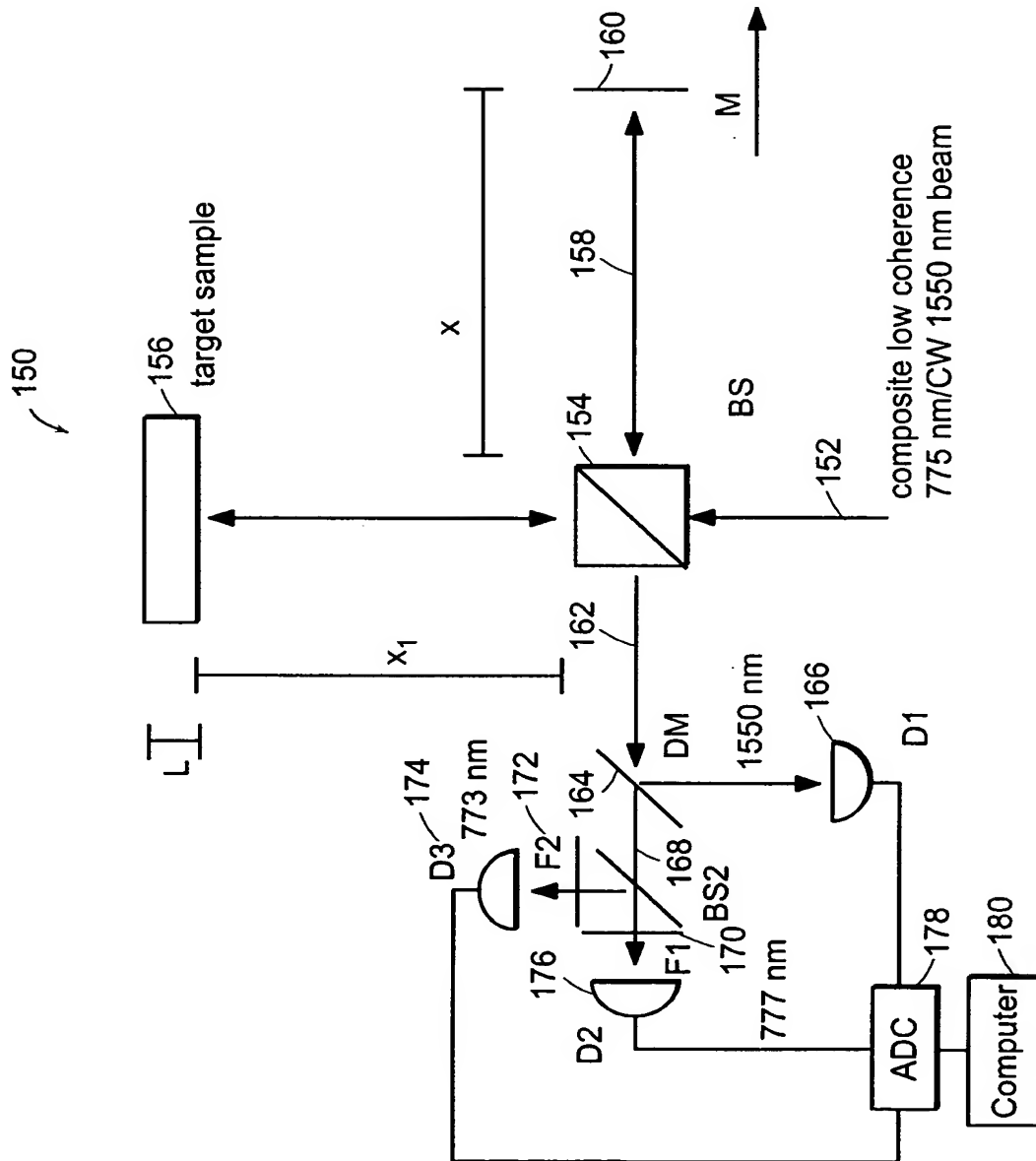


Fig 6B



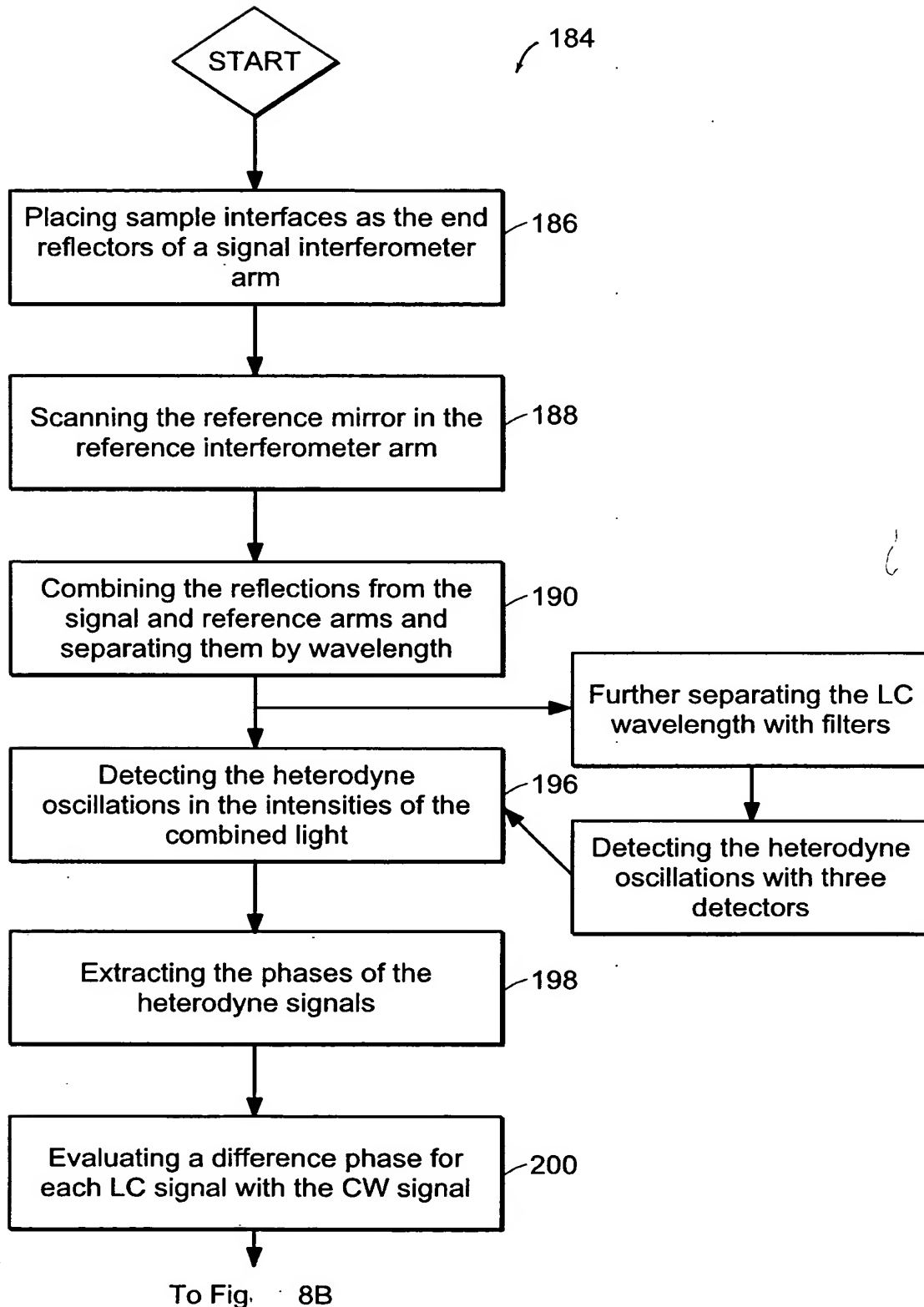


Fig 8A

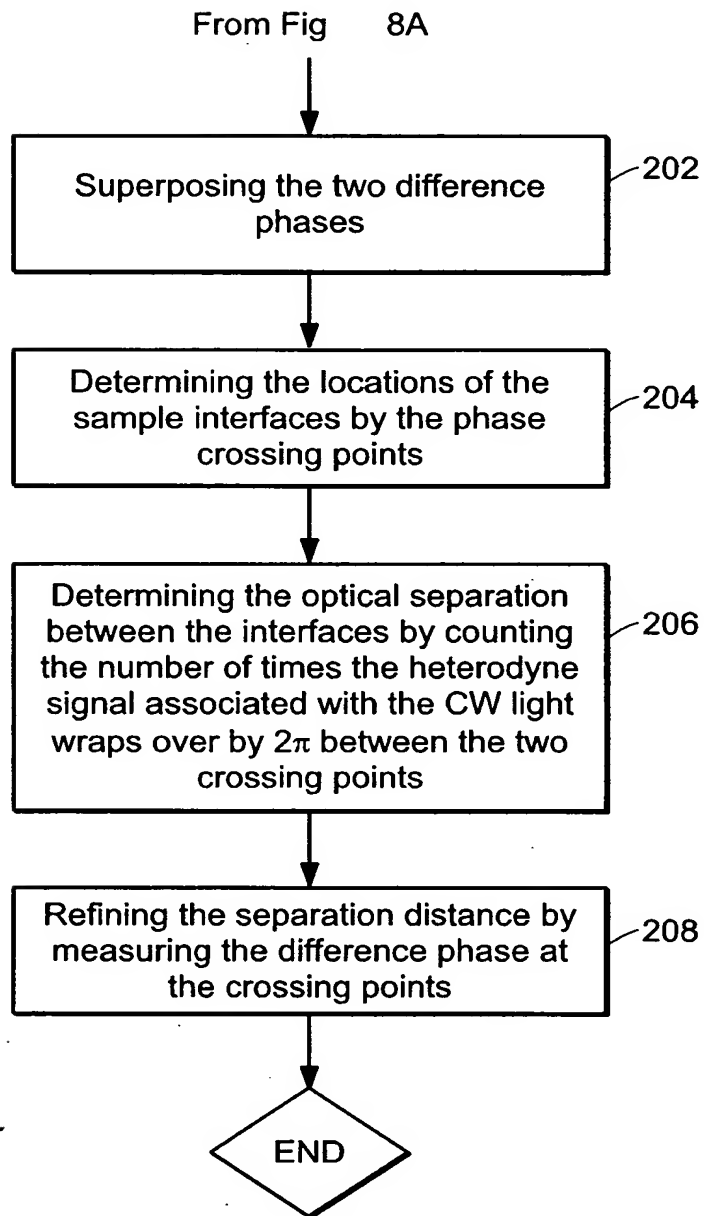


Fig 8B

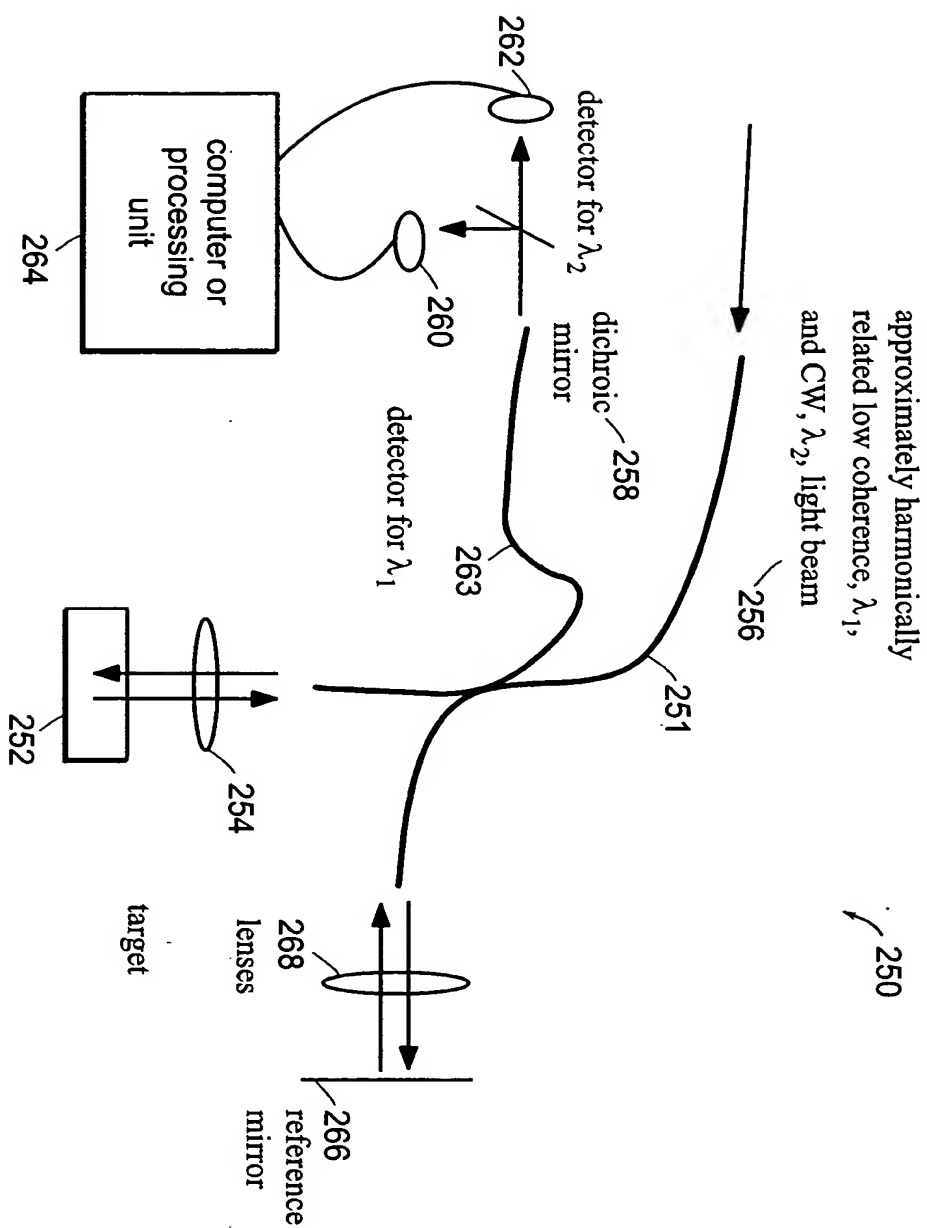


Fig 9

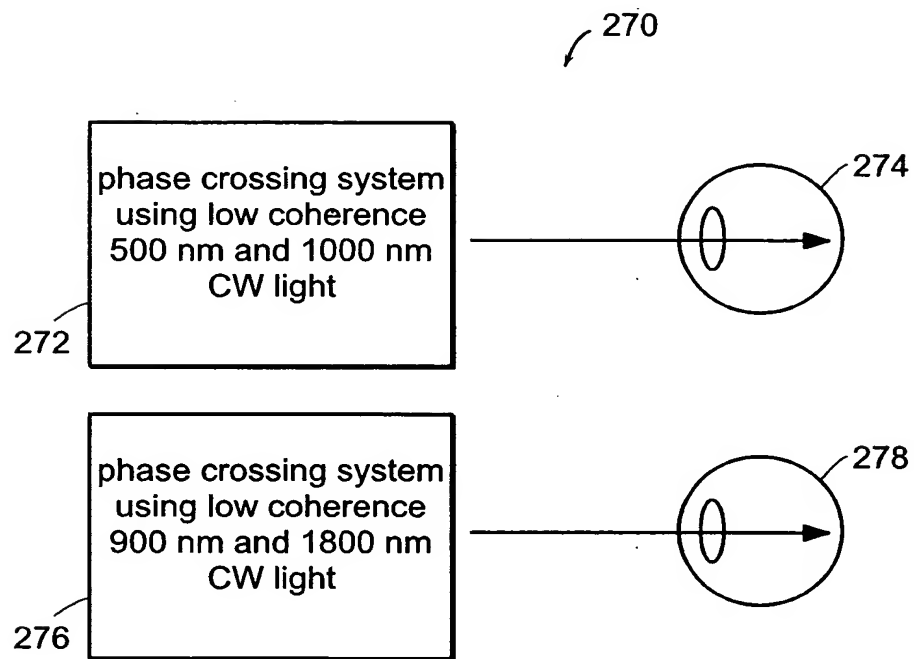


Fig 10

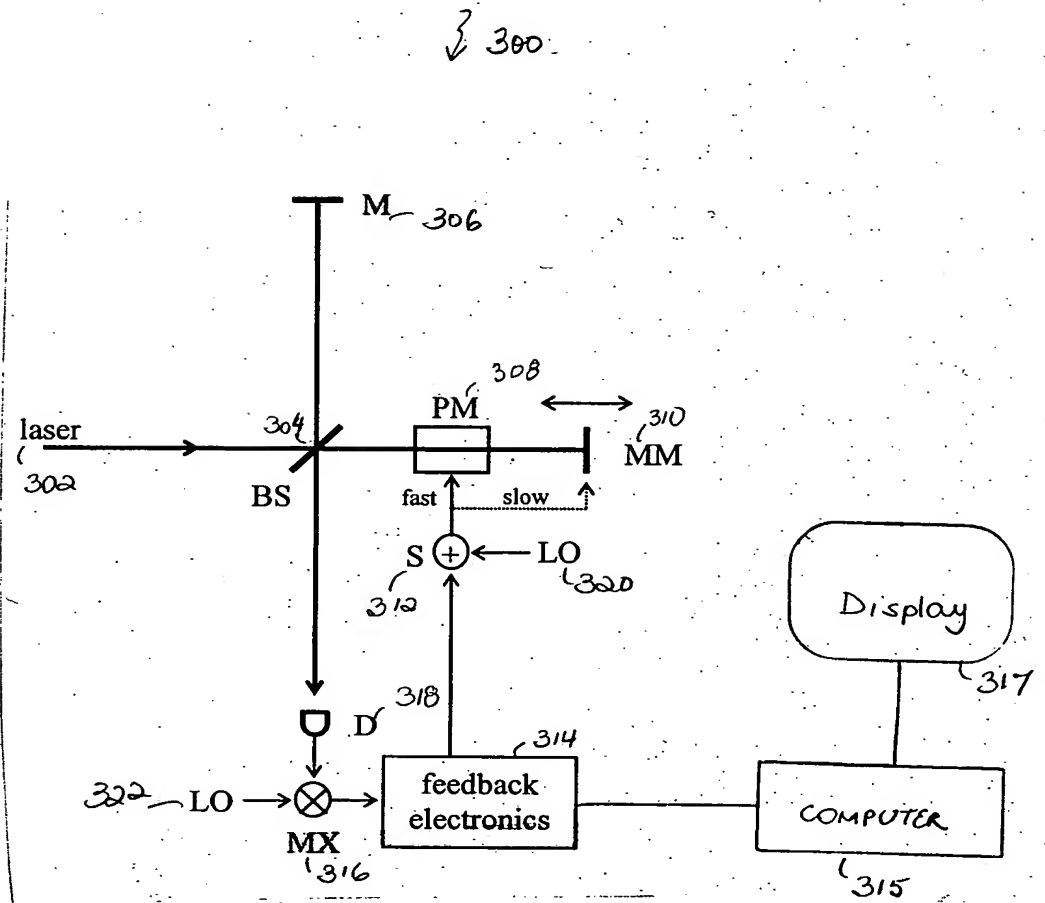


Fig. 11

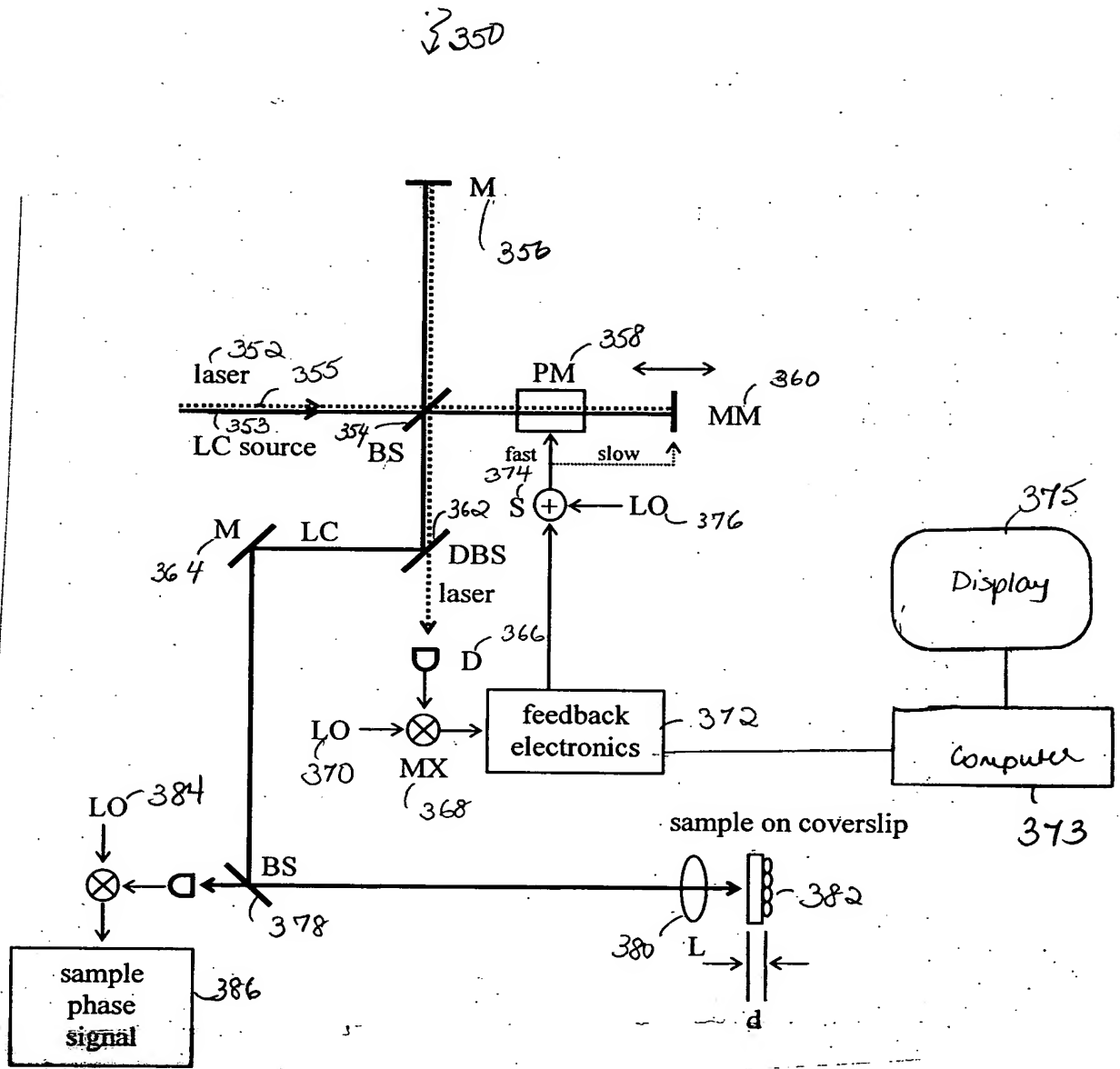


Fig 12

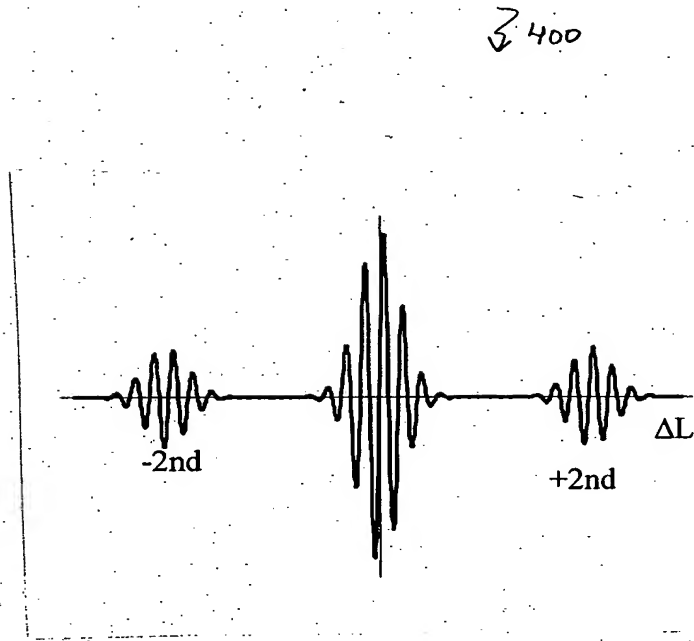


Fig 13

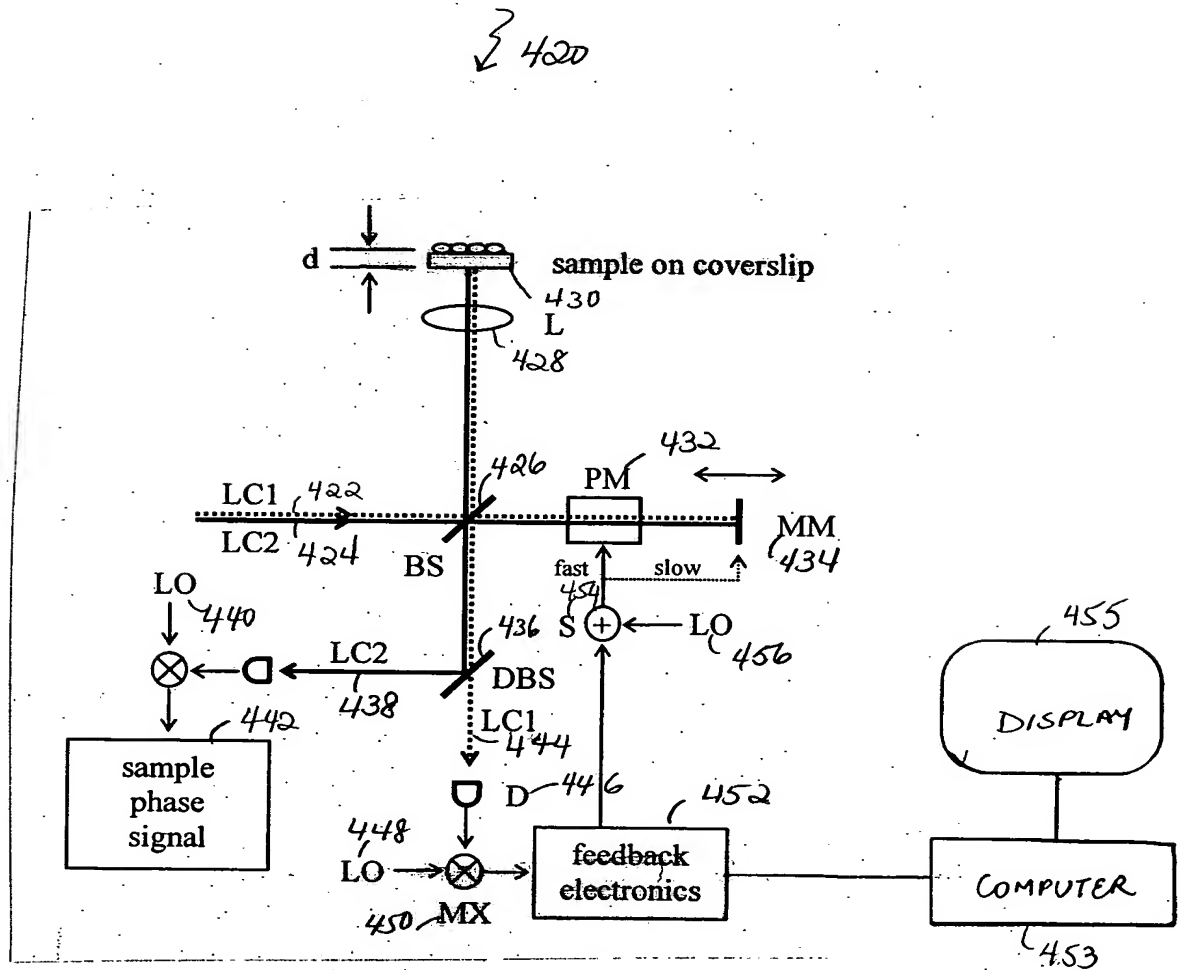


Figure 14A

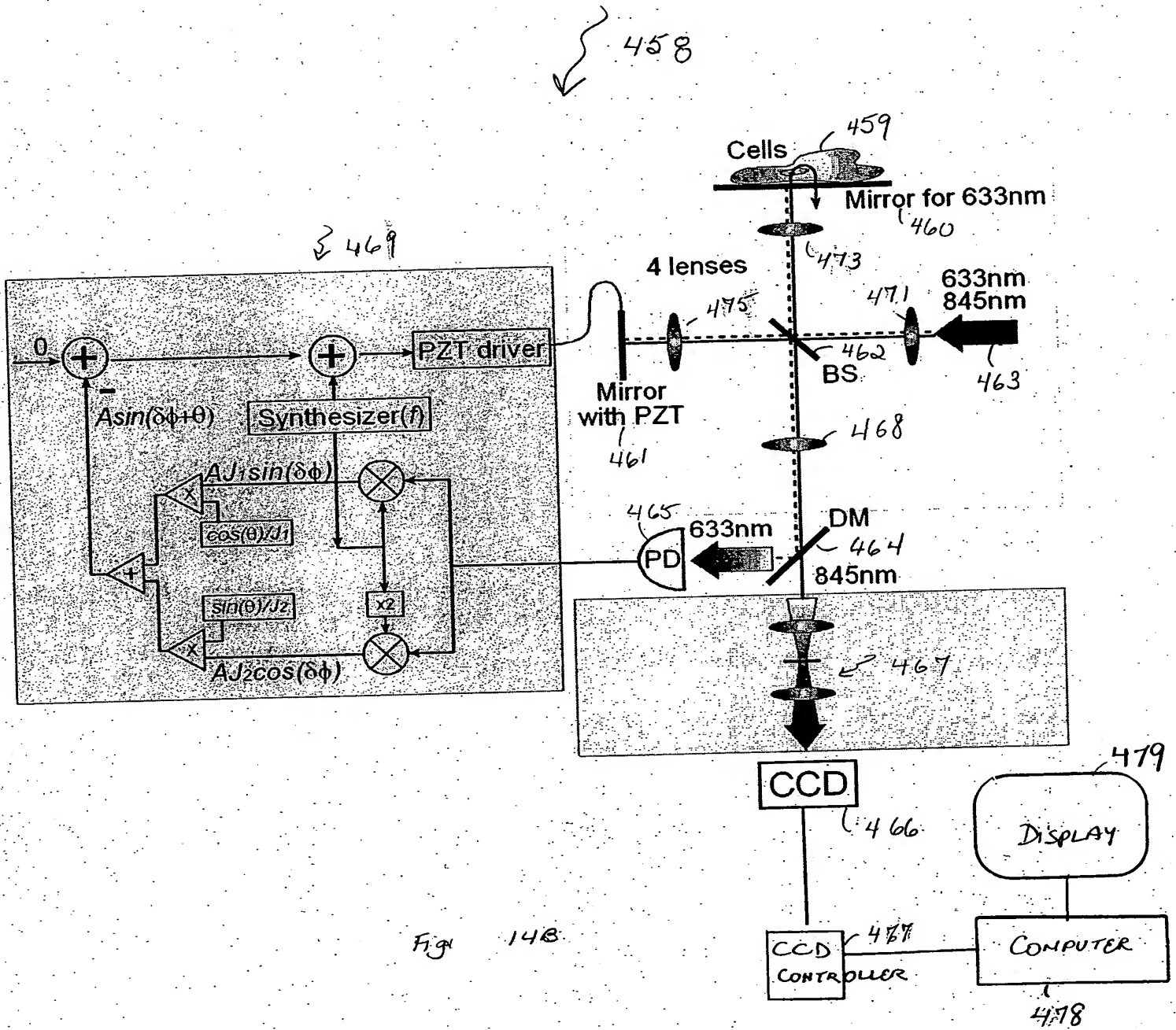


Fig. 148

470

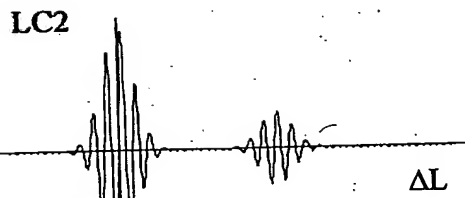


Fig. 15A

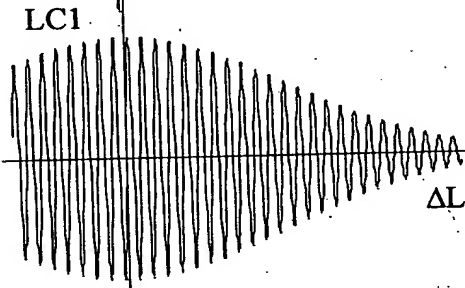


Fig. 15B

480

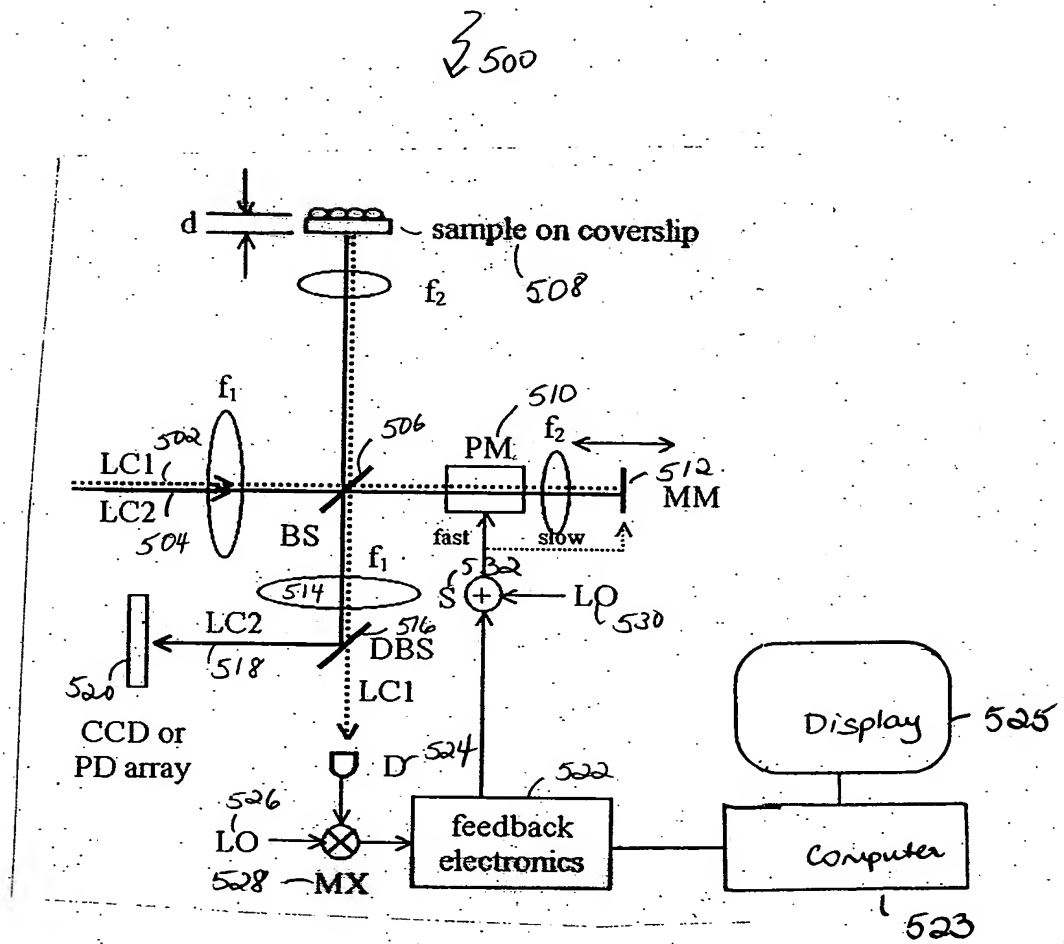


Fig 16

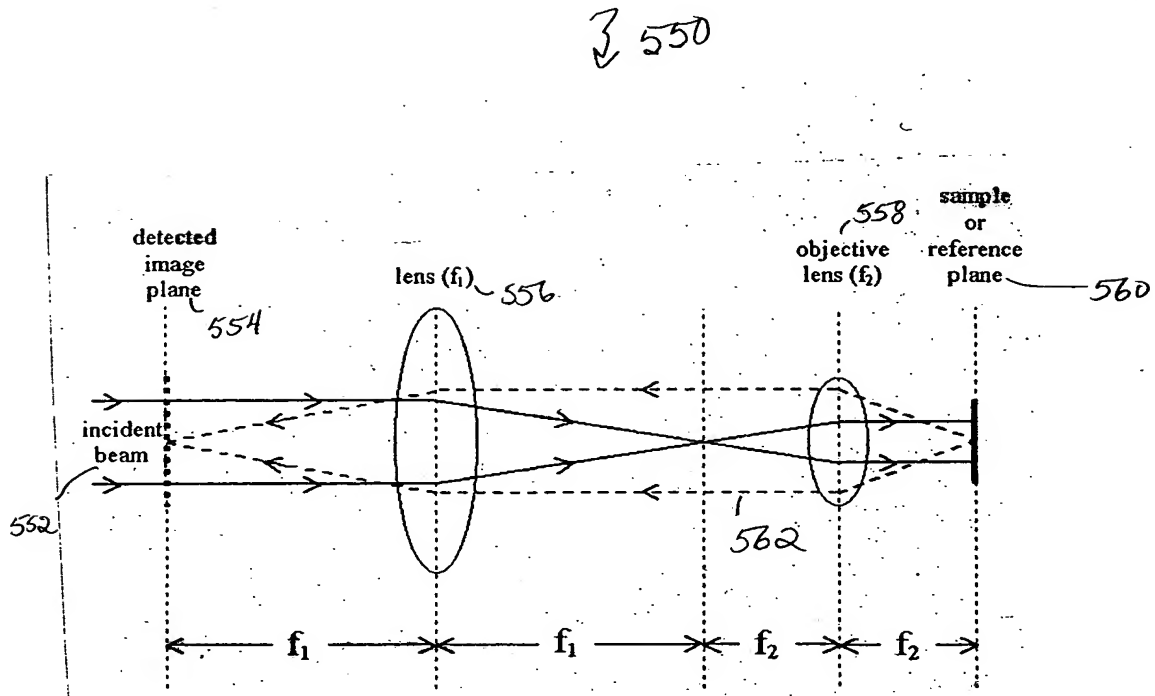
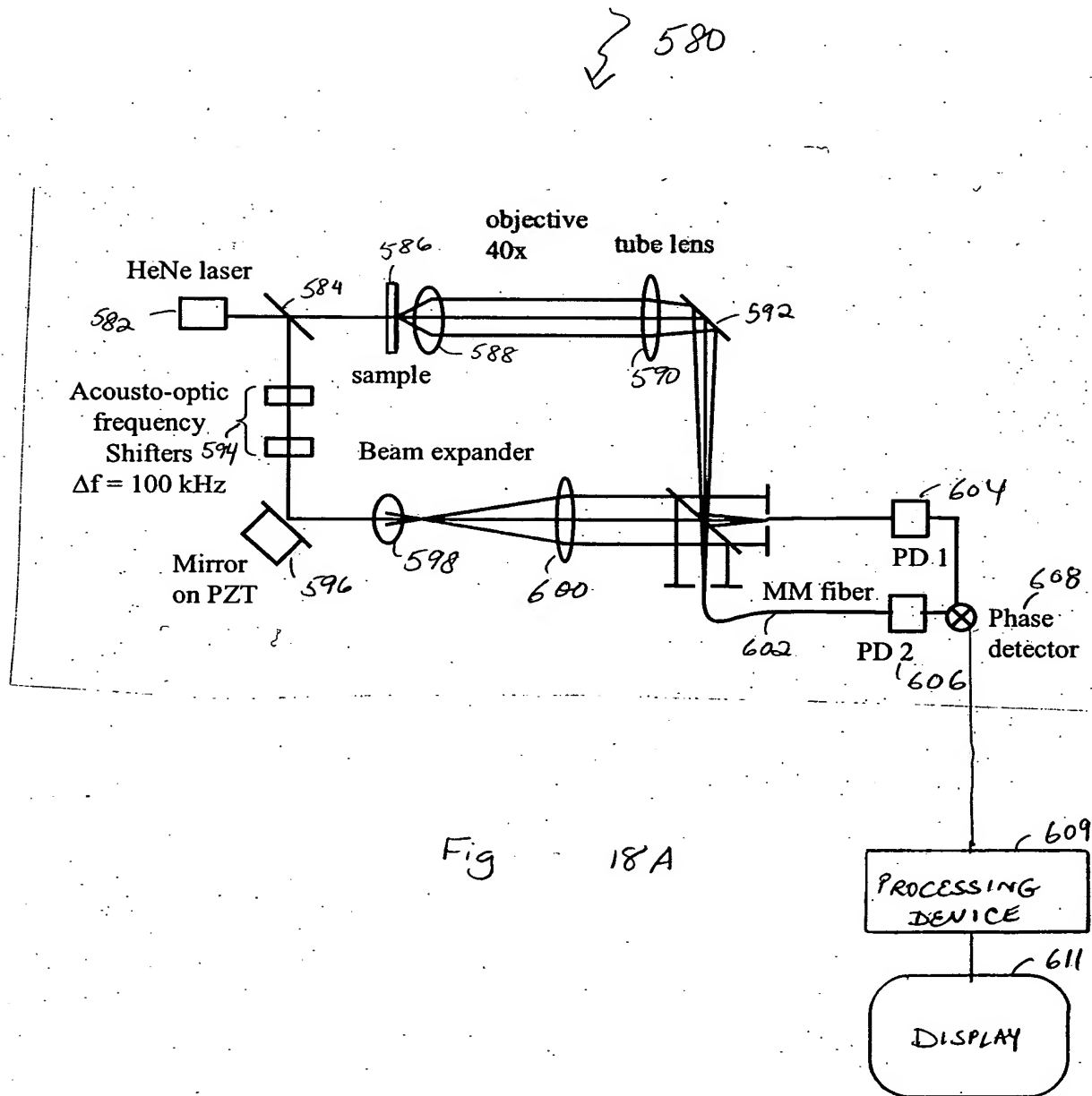


Fig 17



3670

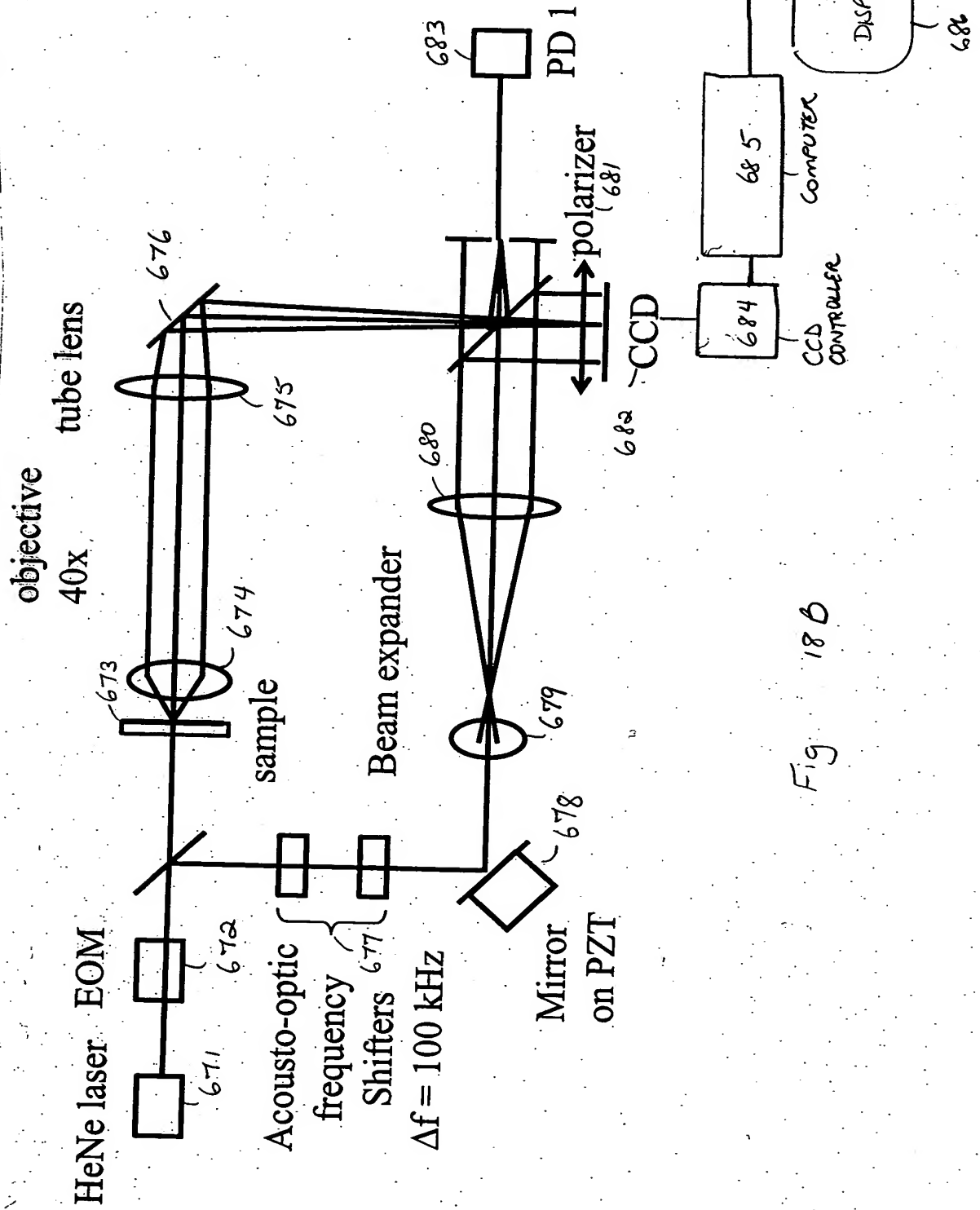


Fig. 18B

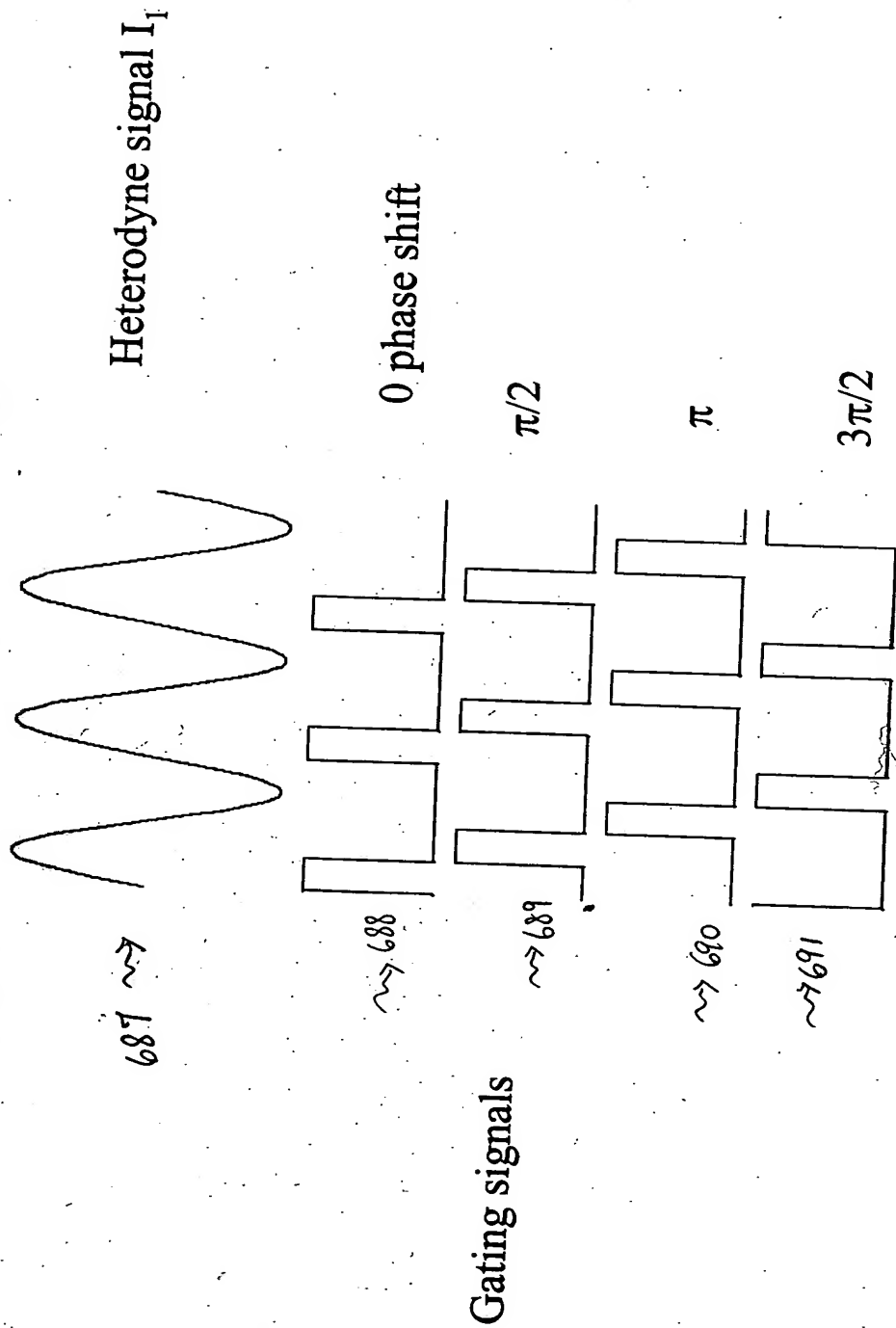


Fig. 18C

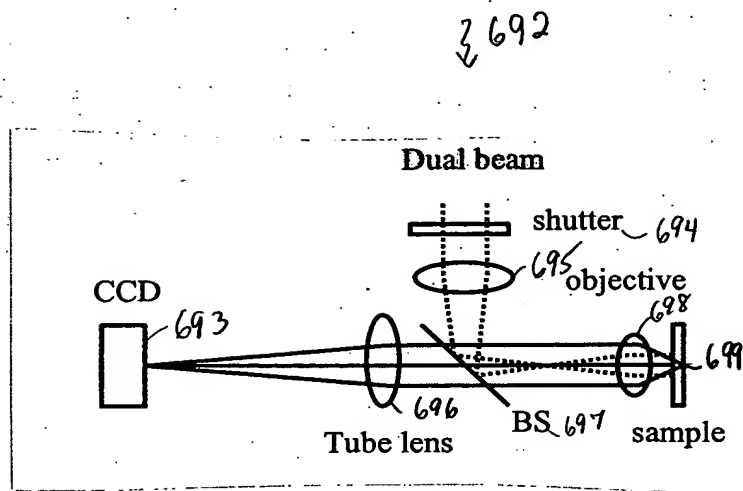


Fig. 18D

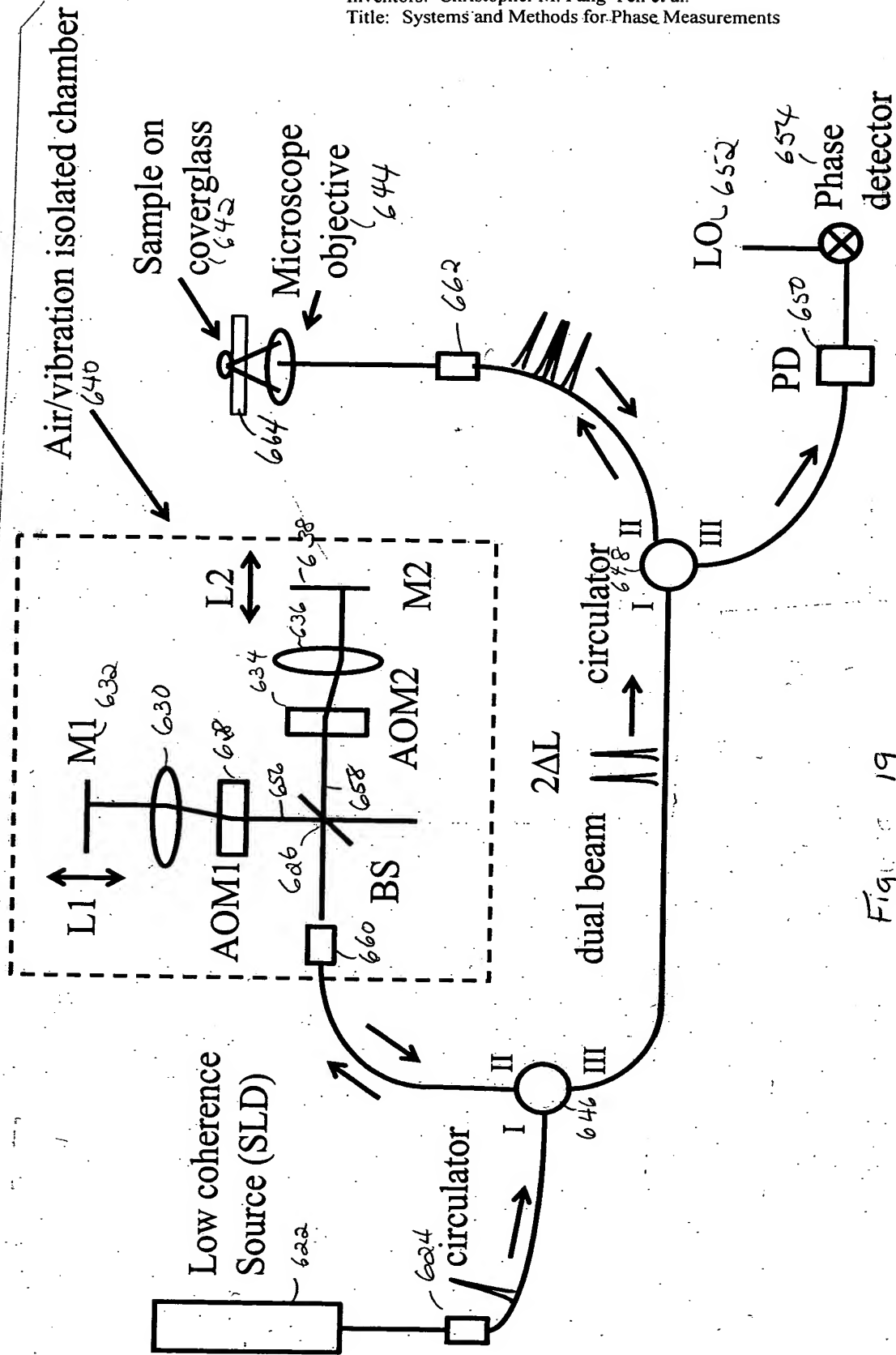


Fig. 19

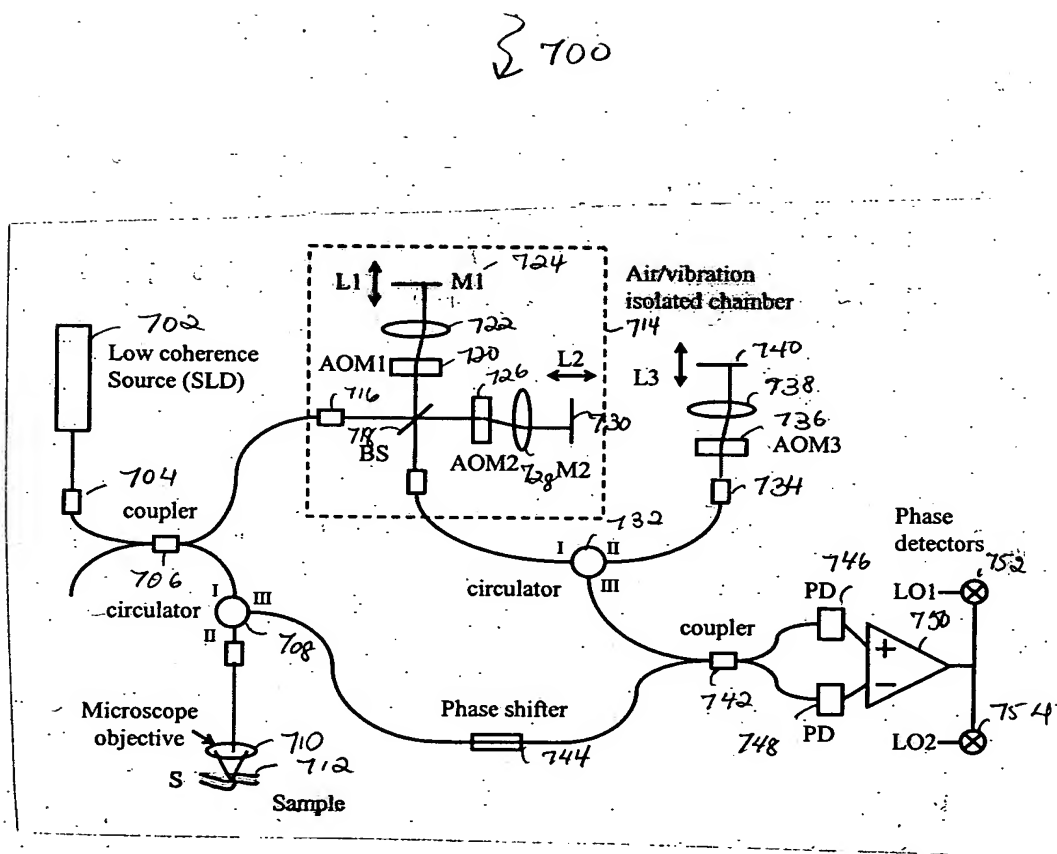


Fig. 20

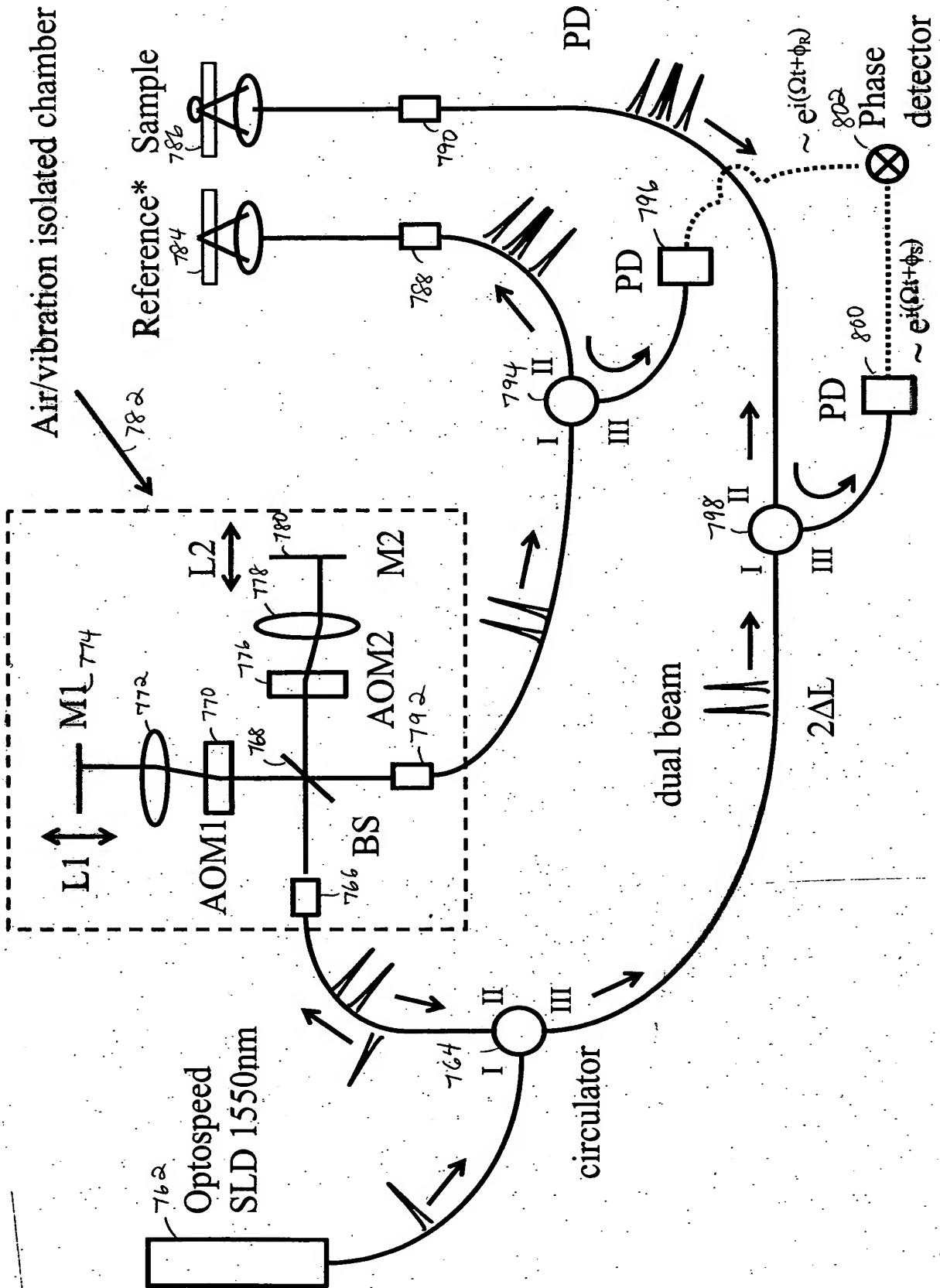


Fig. 21

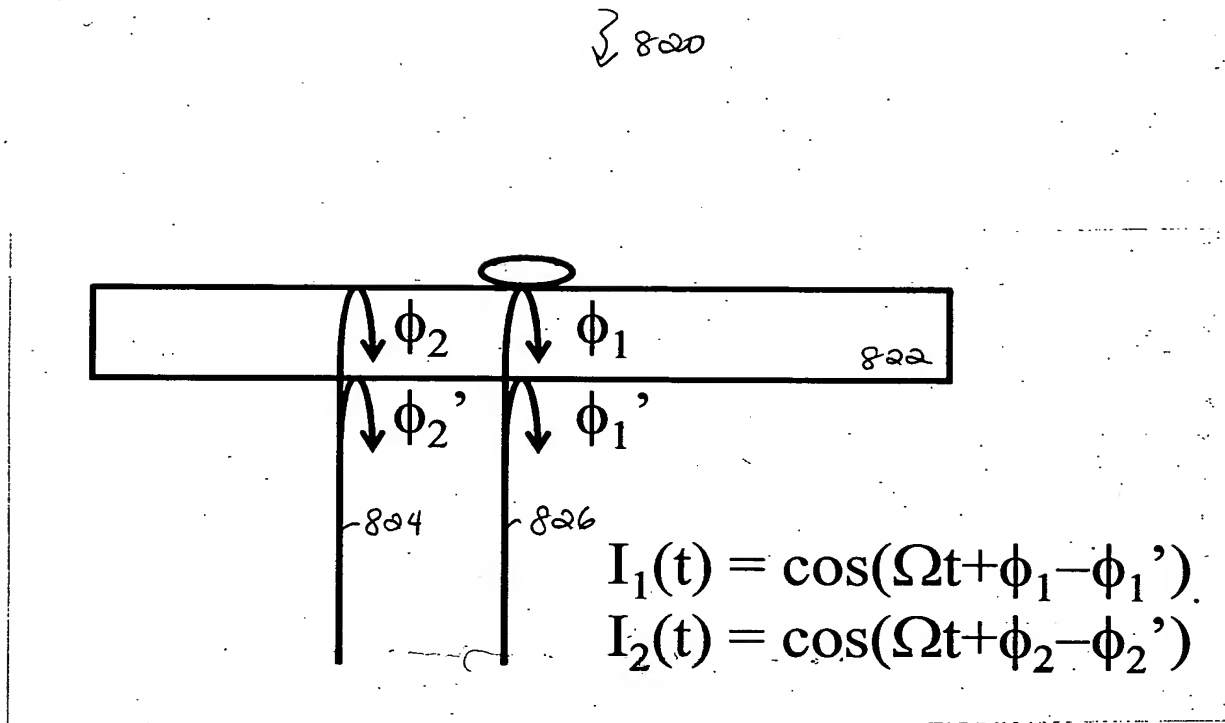
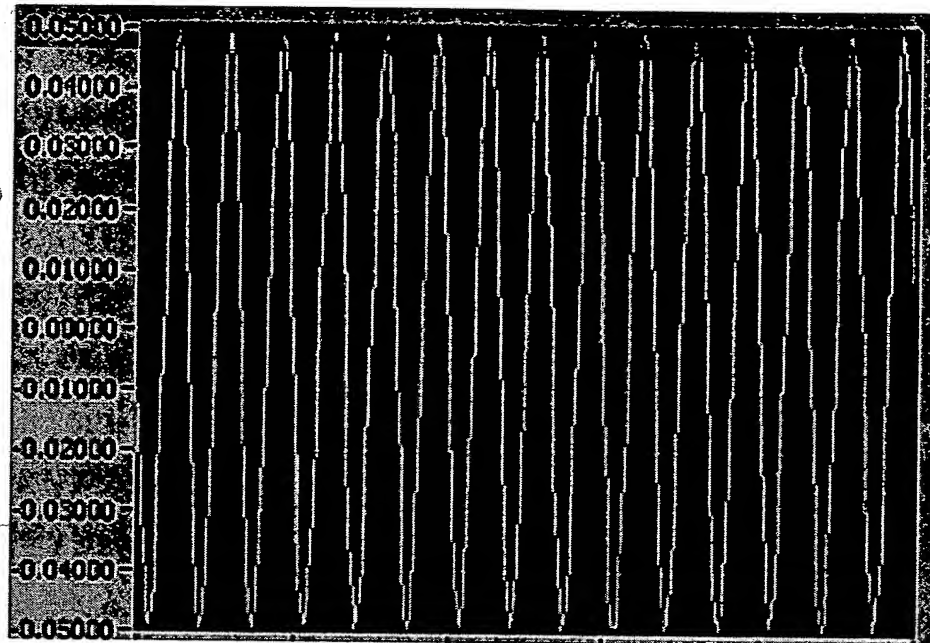


Fig 22

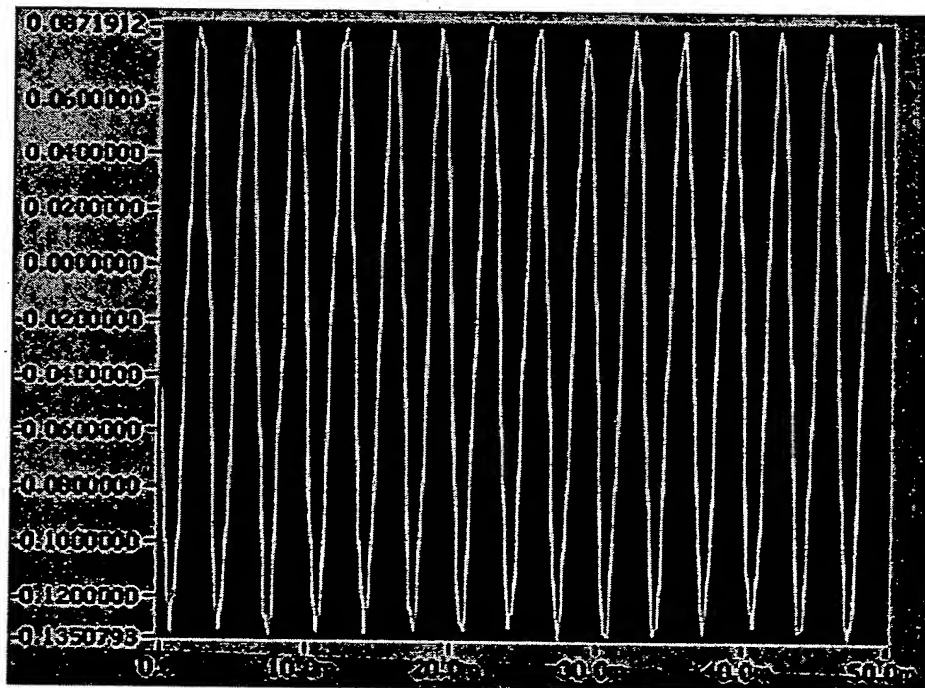
Fig

23A

840
PZT Voltage



850
Phase change
(1550nm)



Fig

23B

860

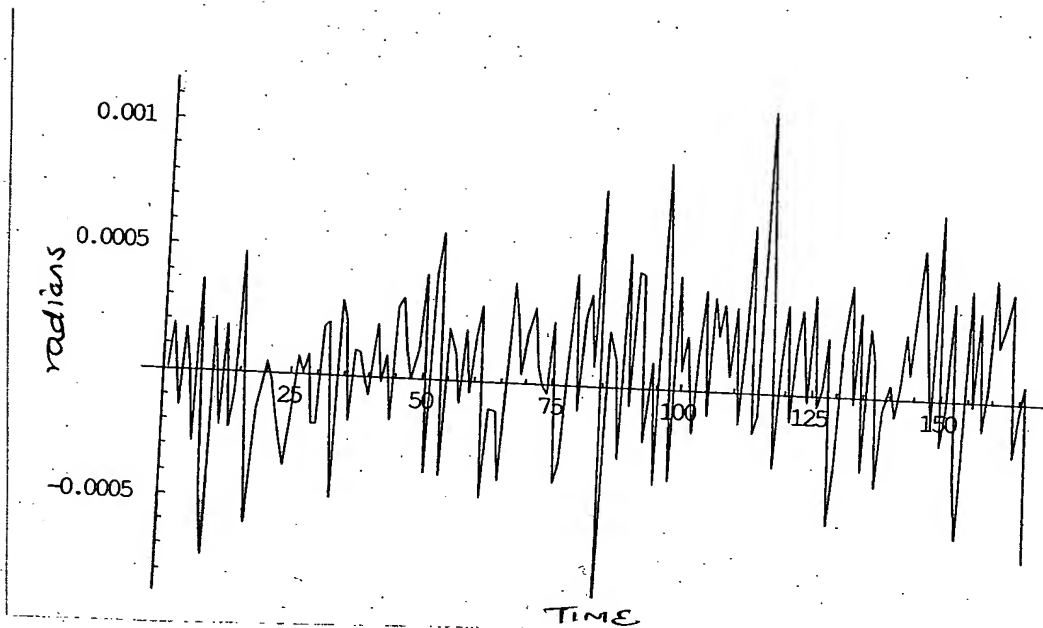


Fig. 24

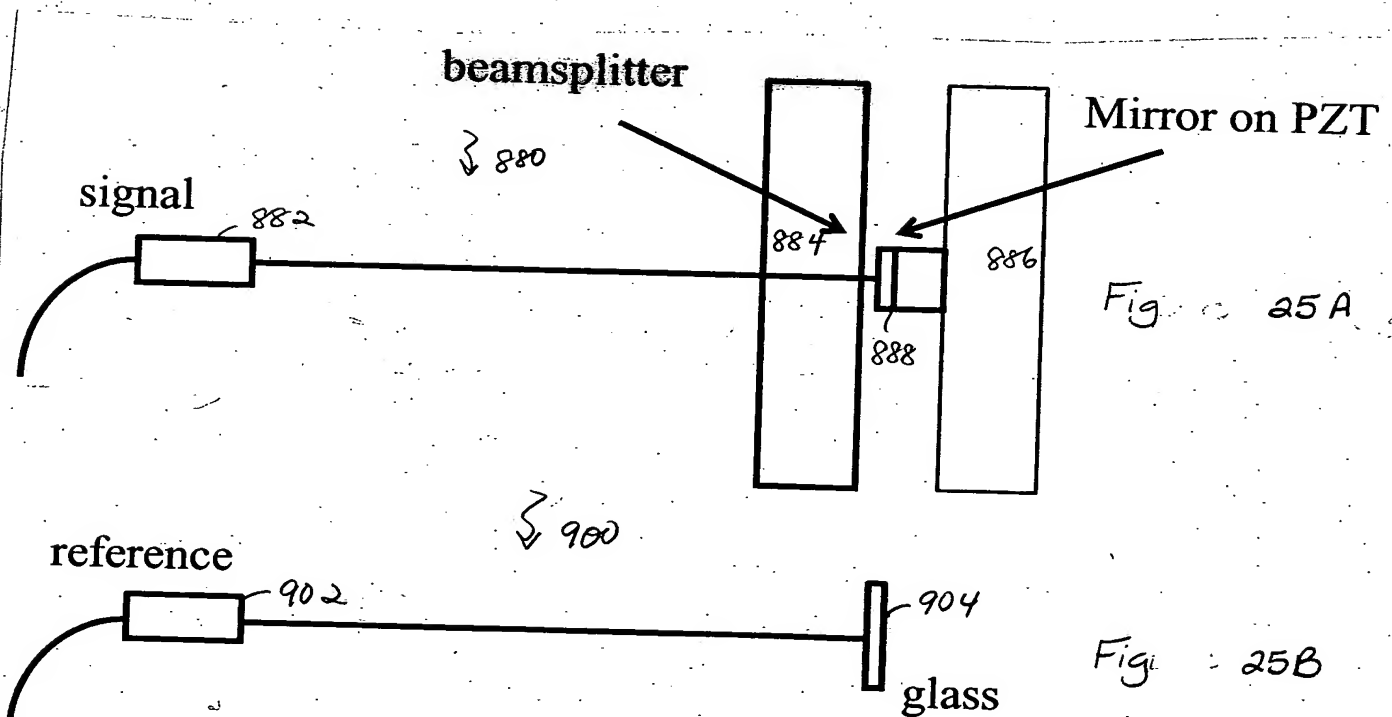


Fig. 25B



FIG. 26

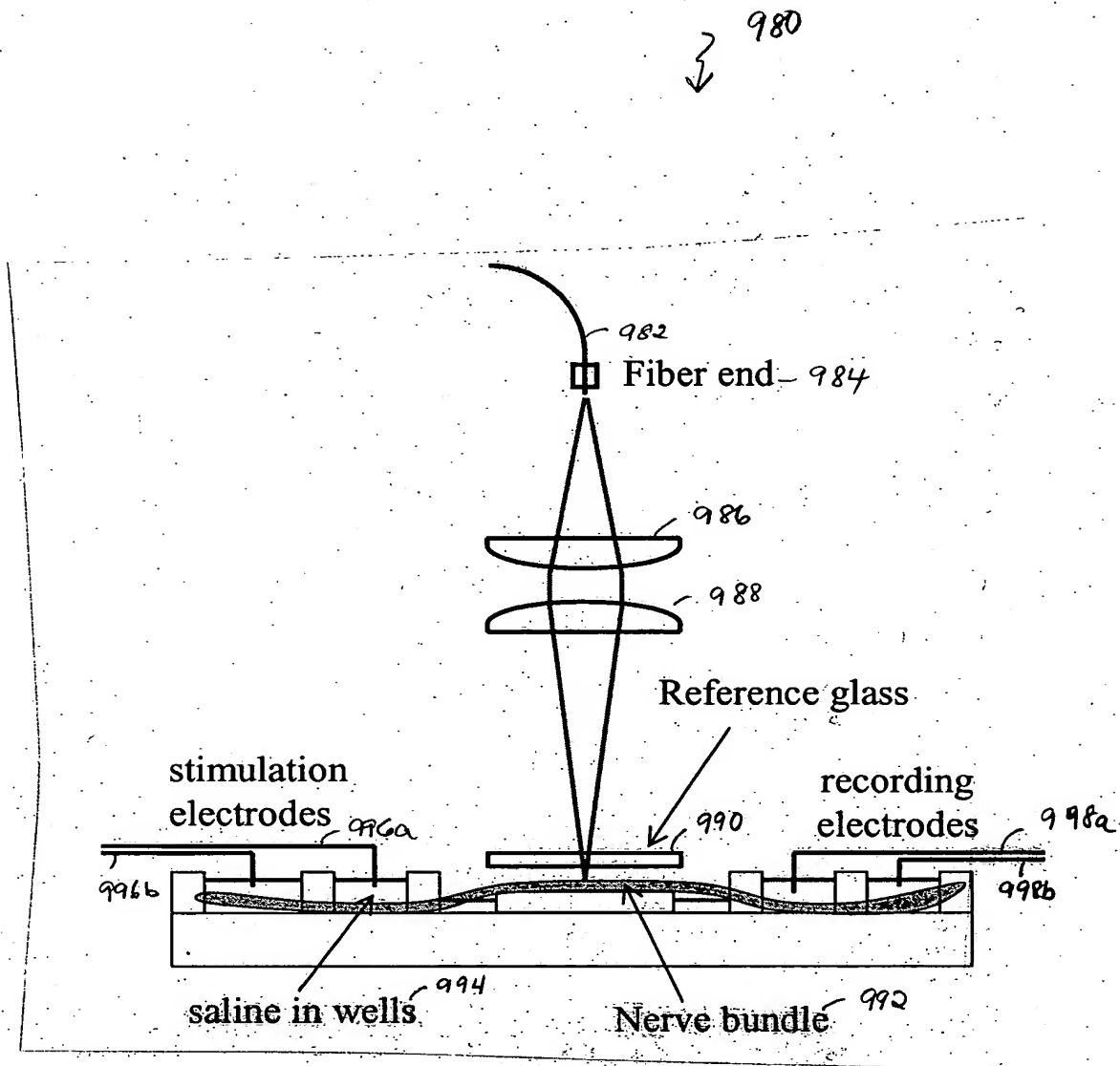
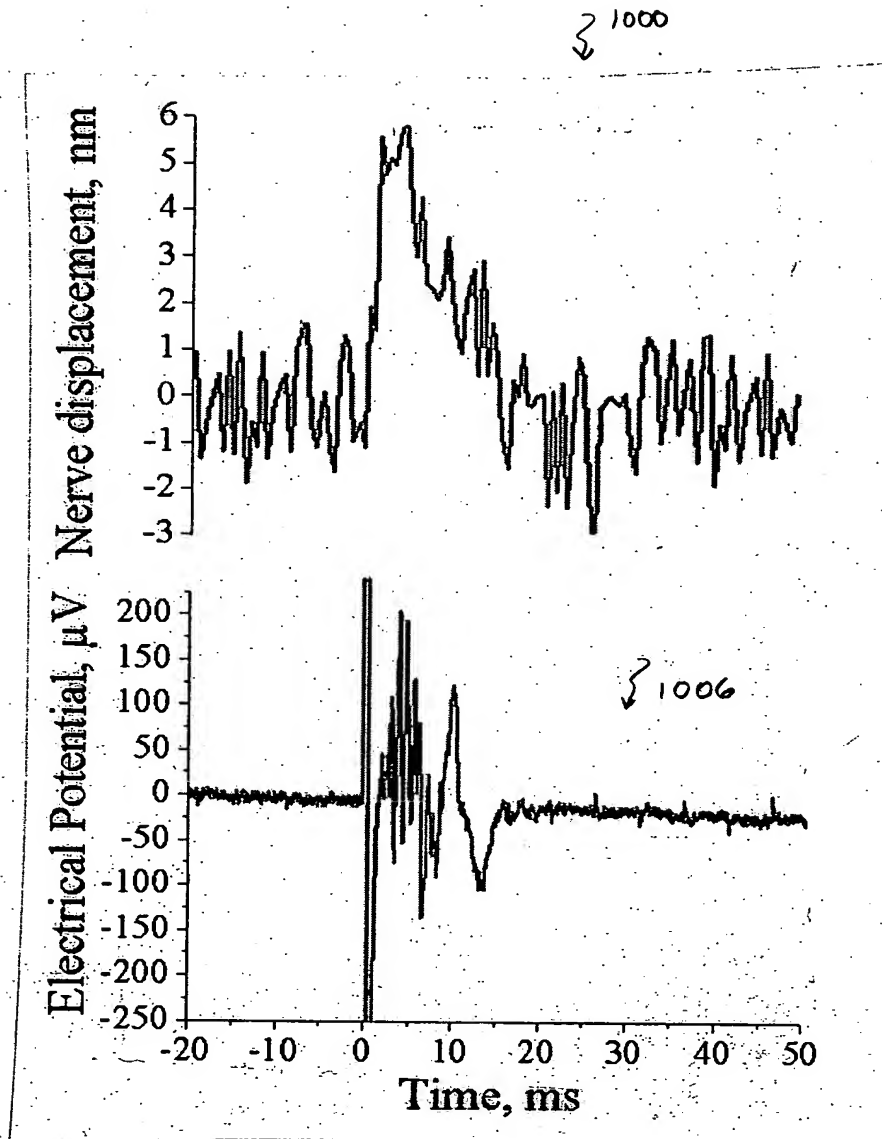


FIG. 27



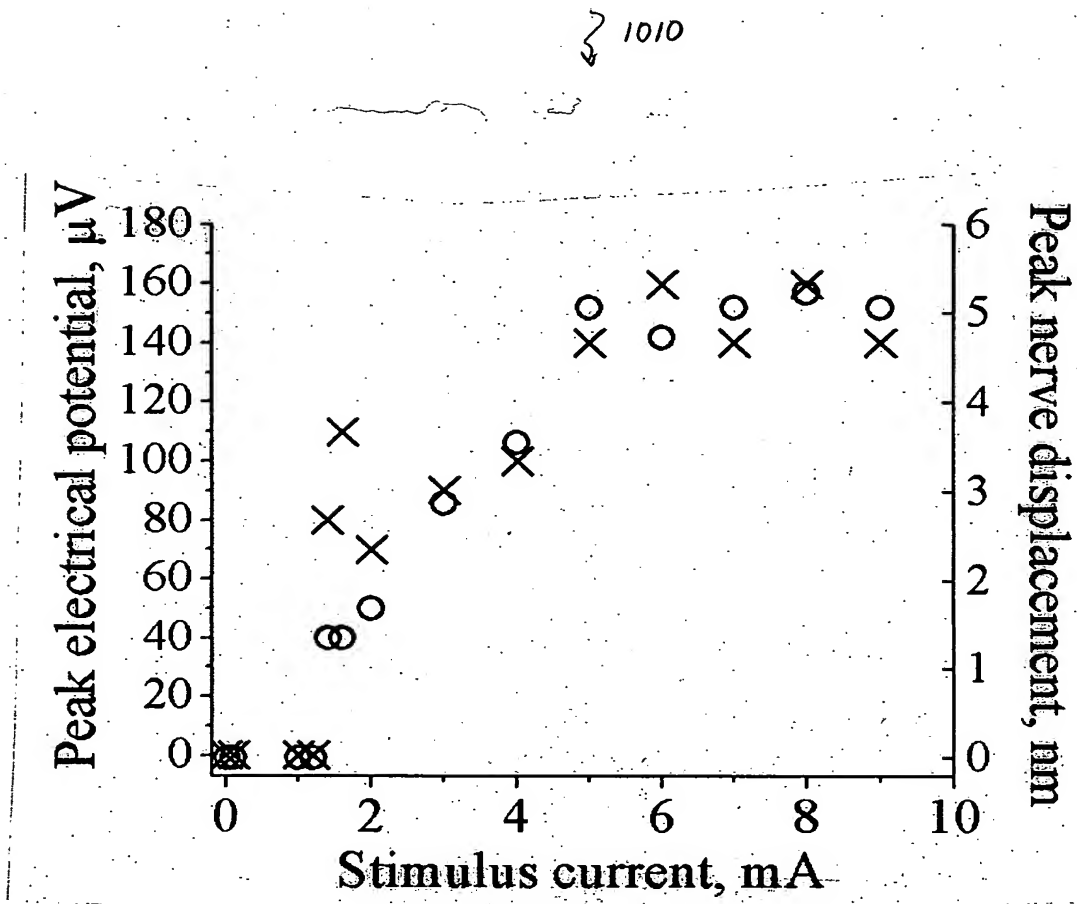


FIG. 29

1070

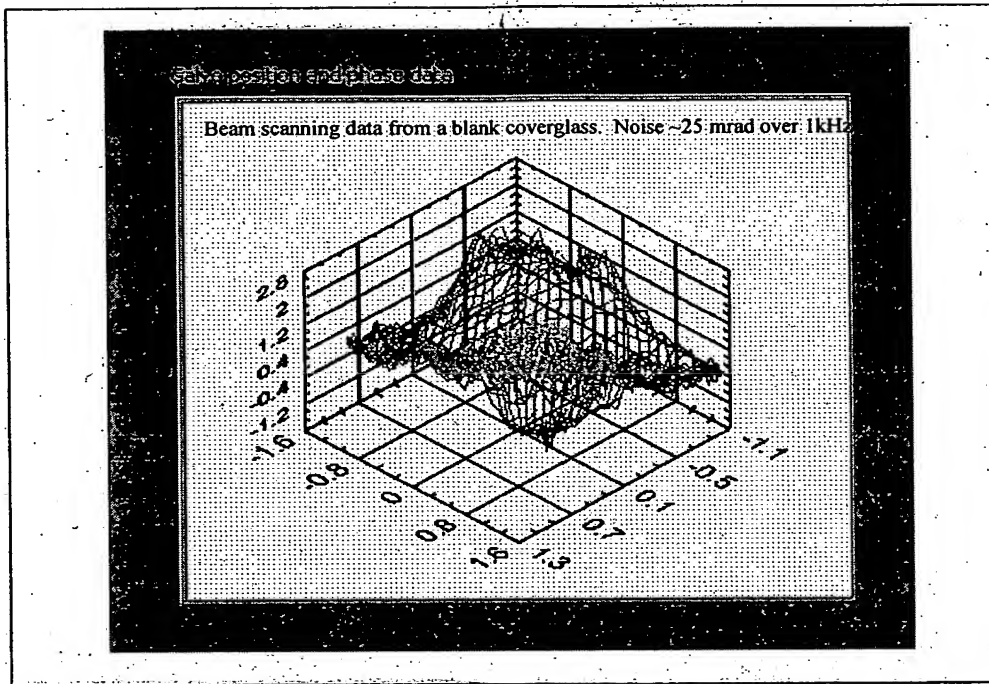


FIG. 31

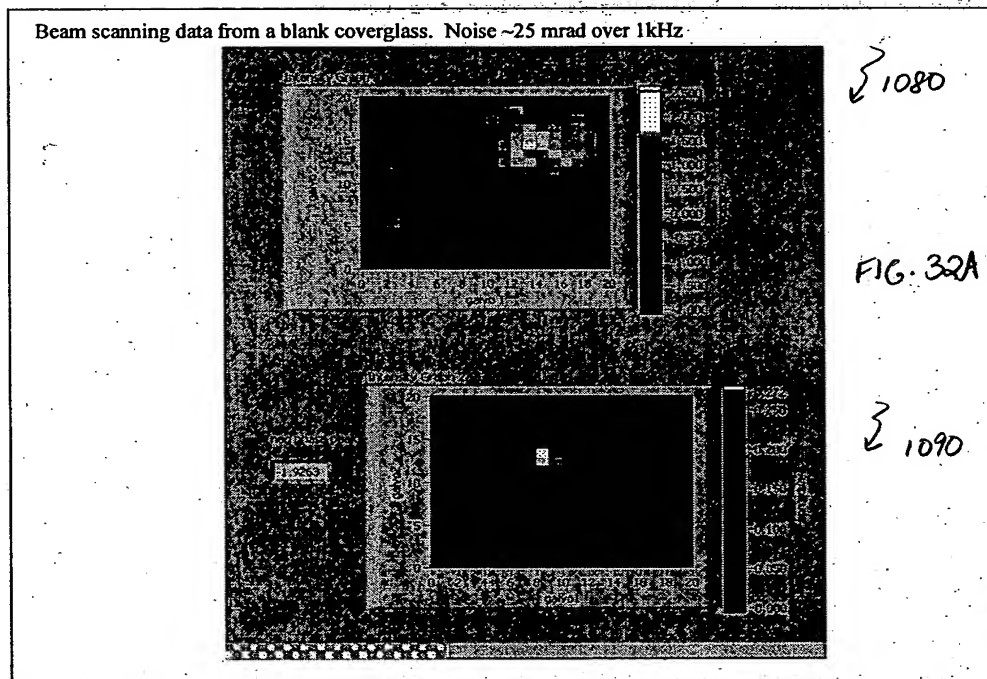


FIG. 32B

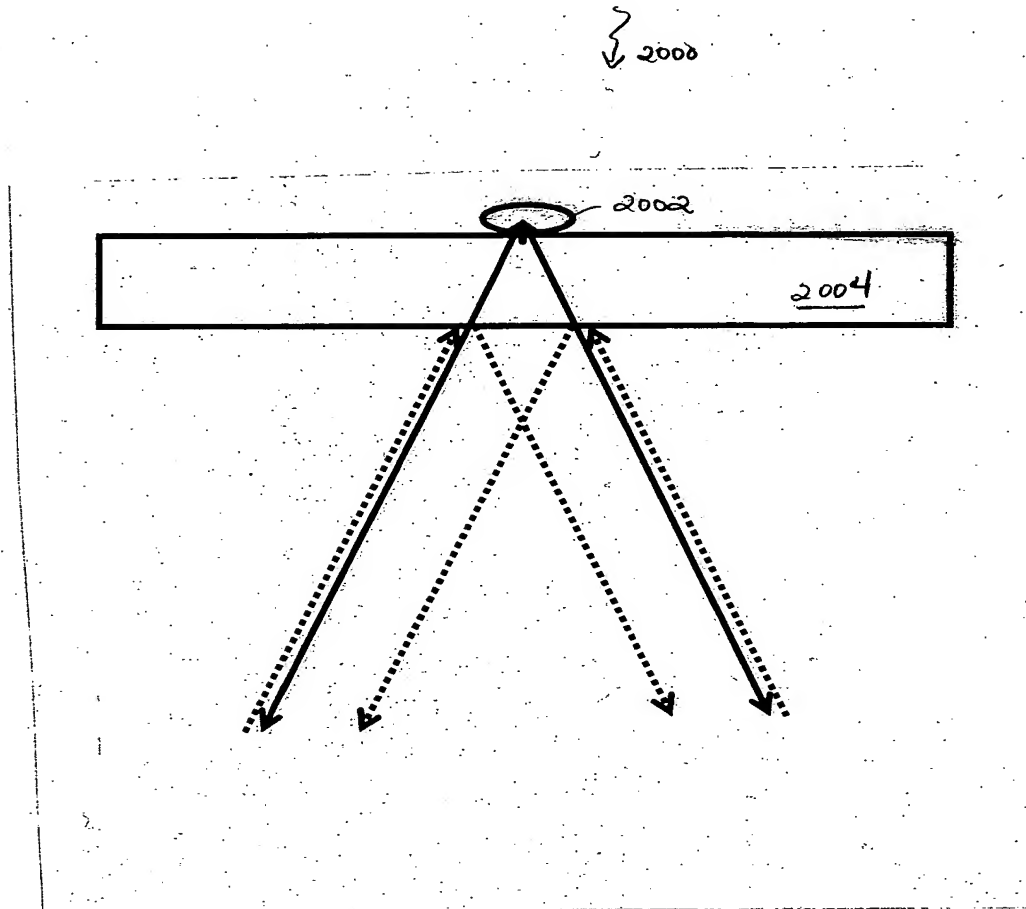


FIG. 33

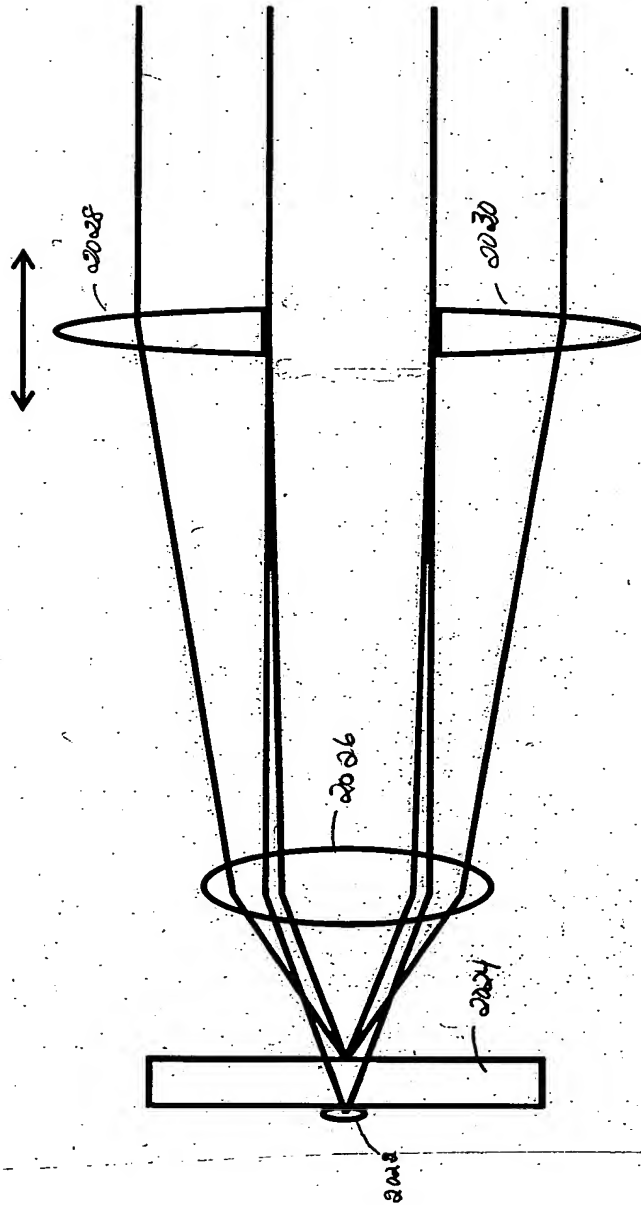


FIG. 34

2050

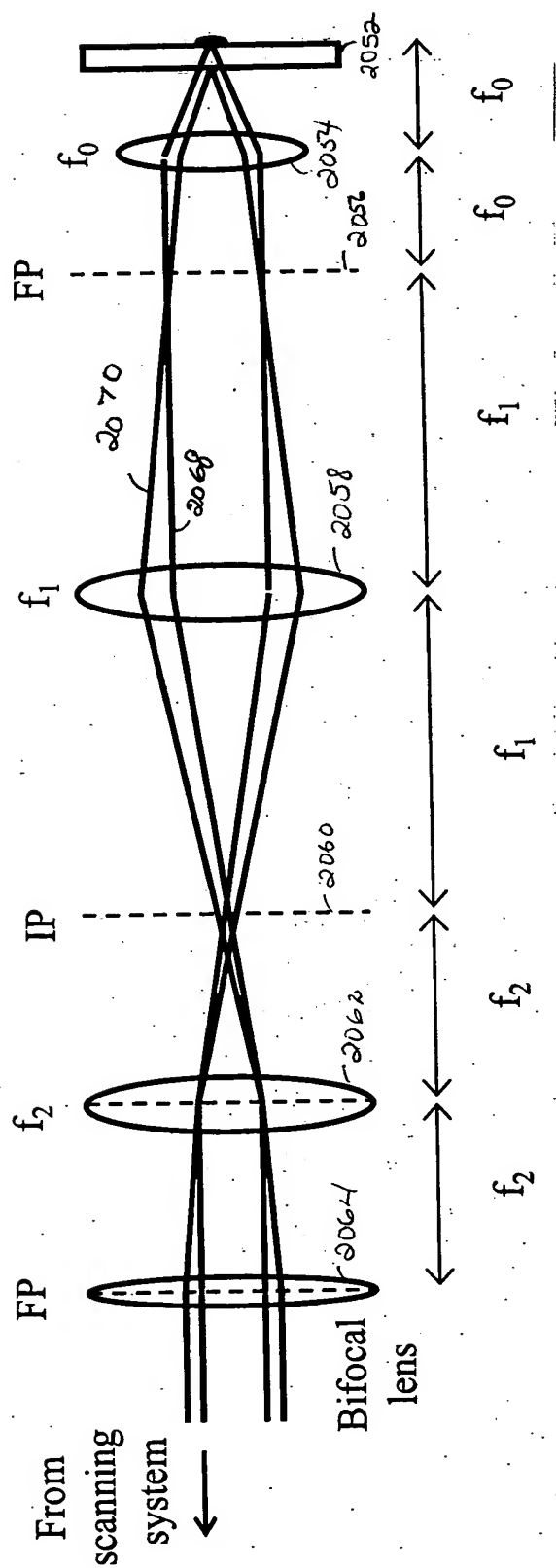


FIG. 35

2080

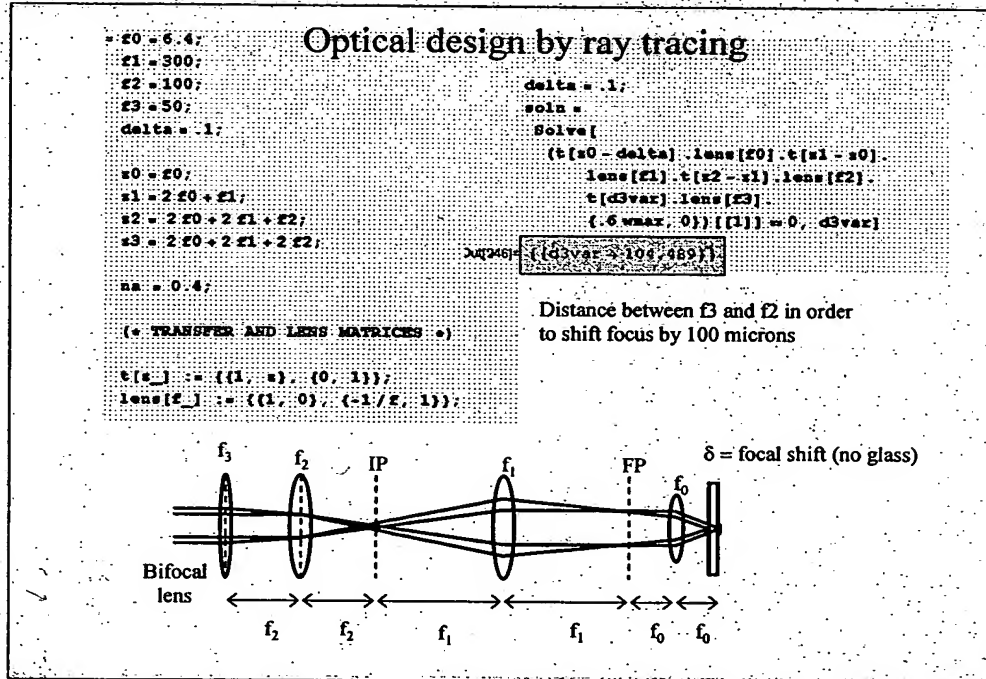


FIG. 36

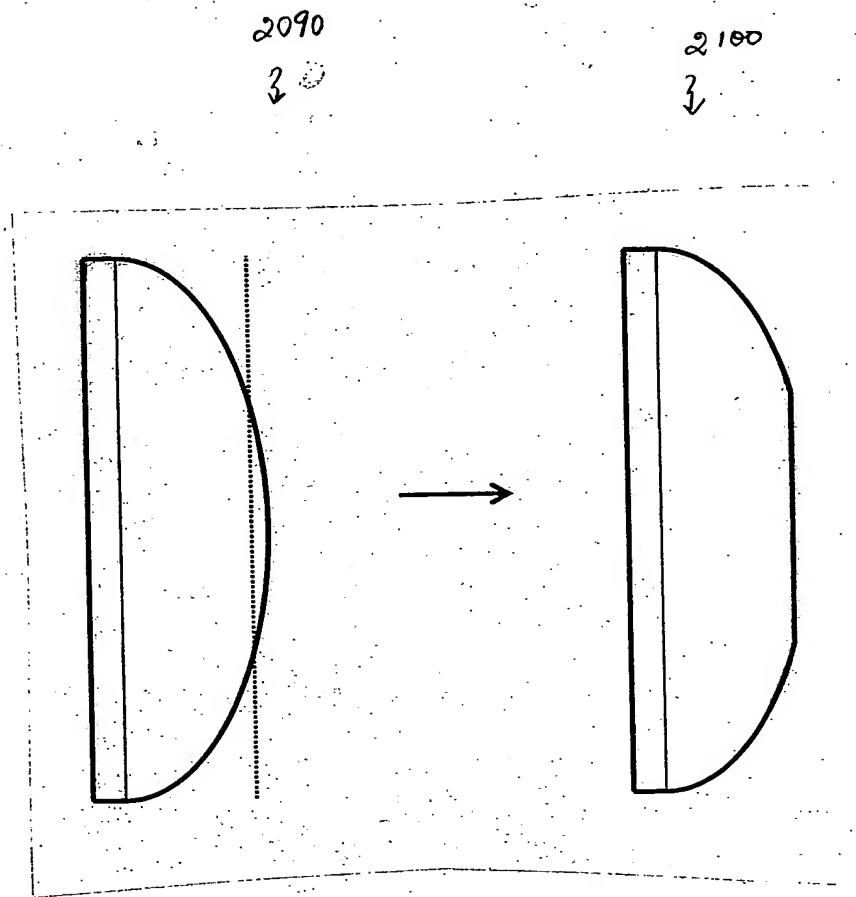
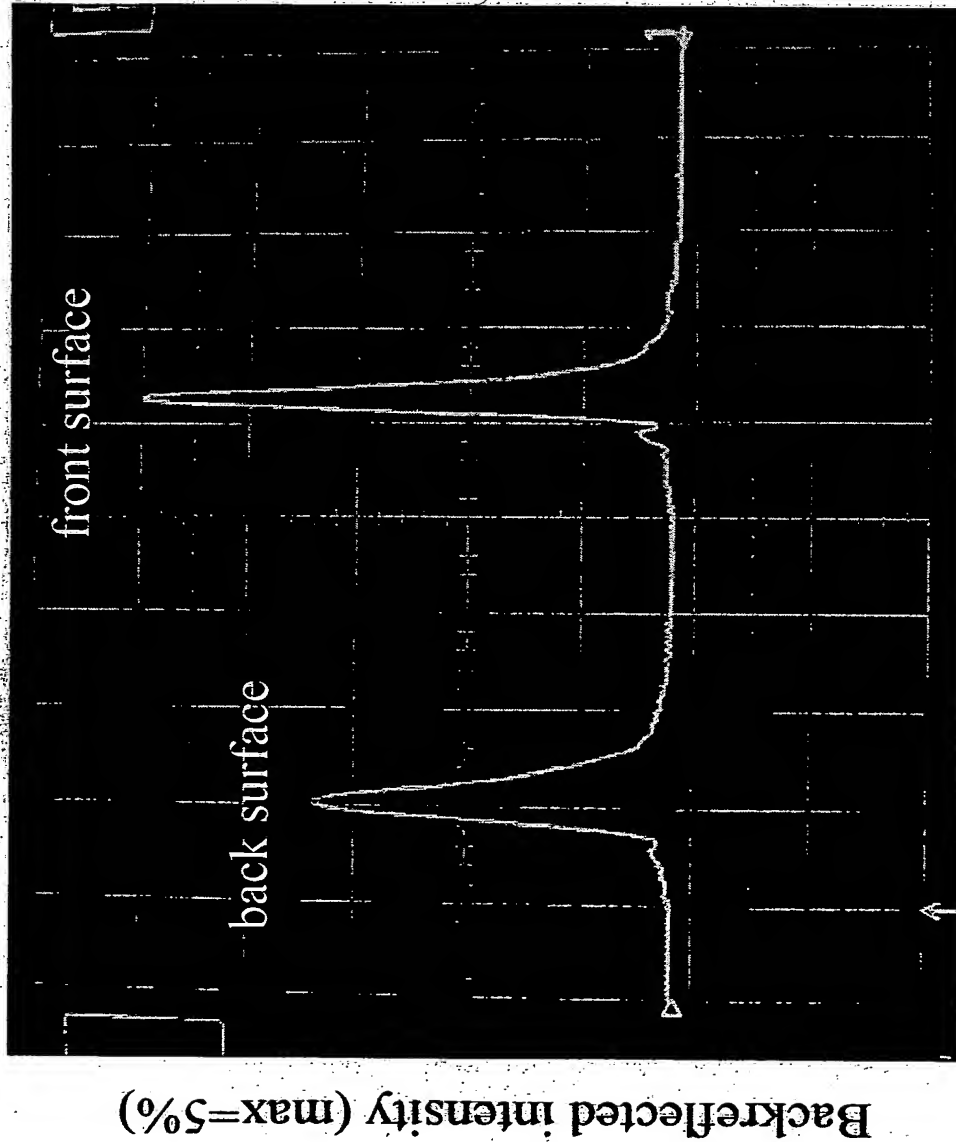
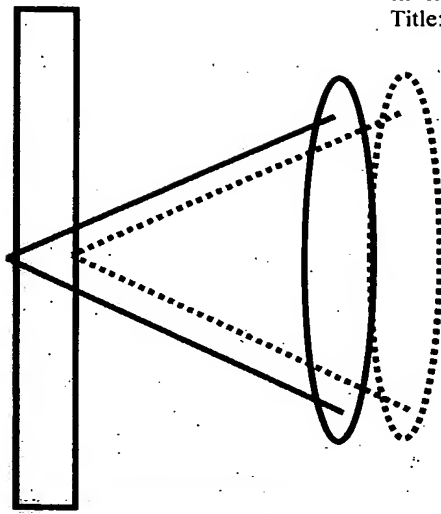


FIG. 37



Objective focus position

Fig. 38

2/200
 2

2/126
 3

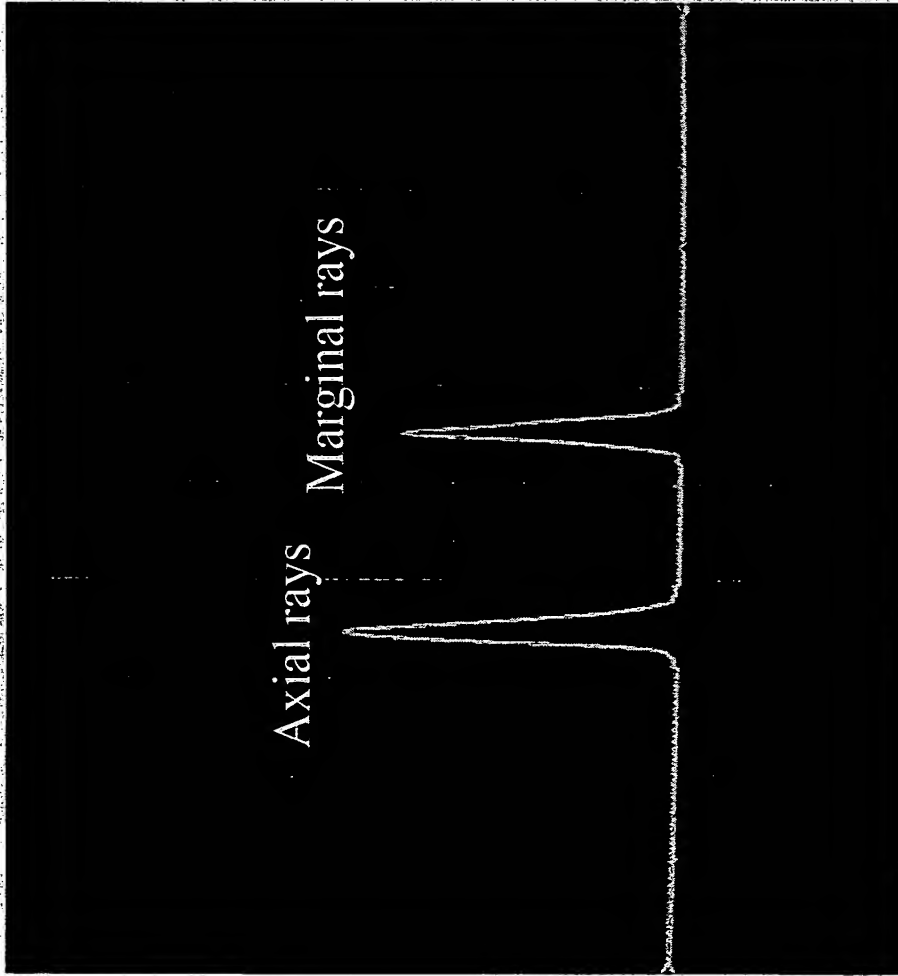
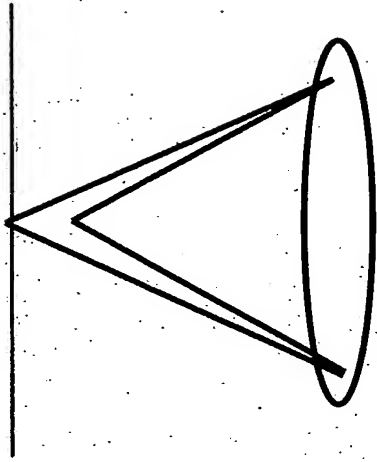
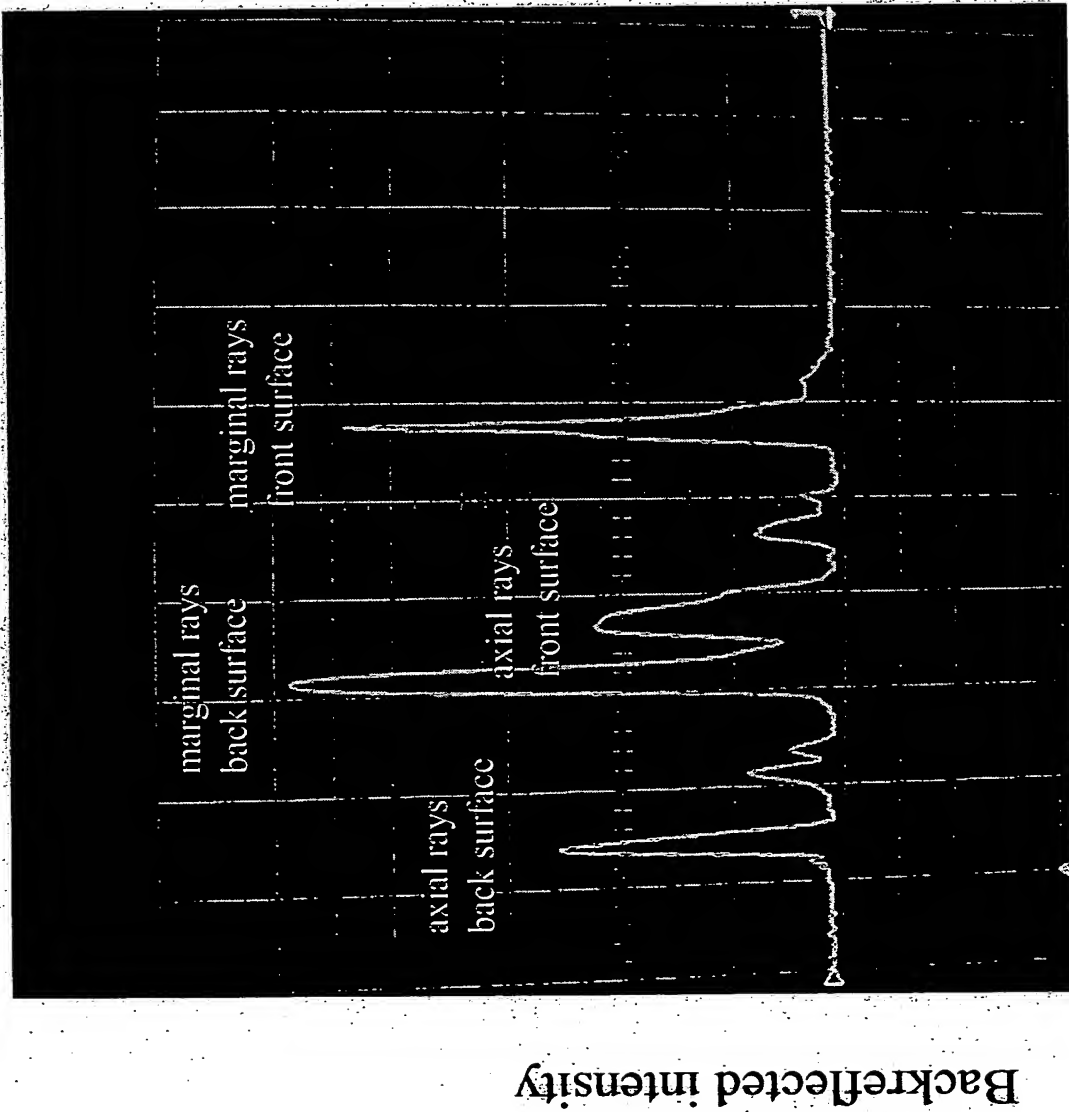
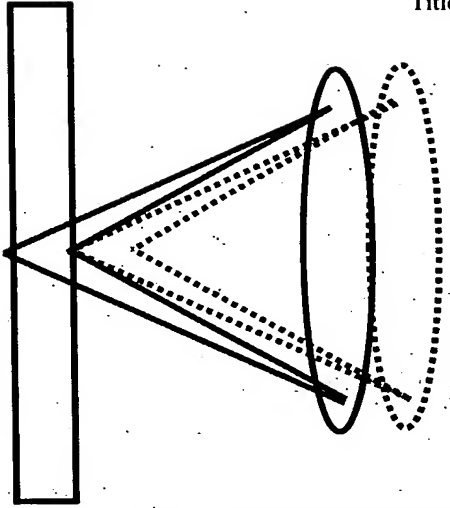


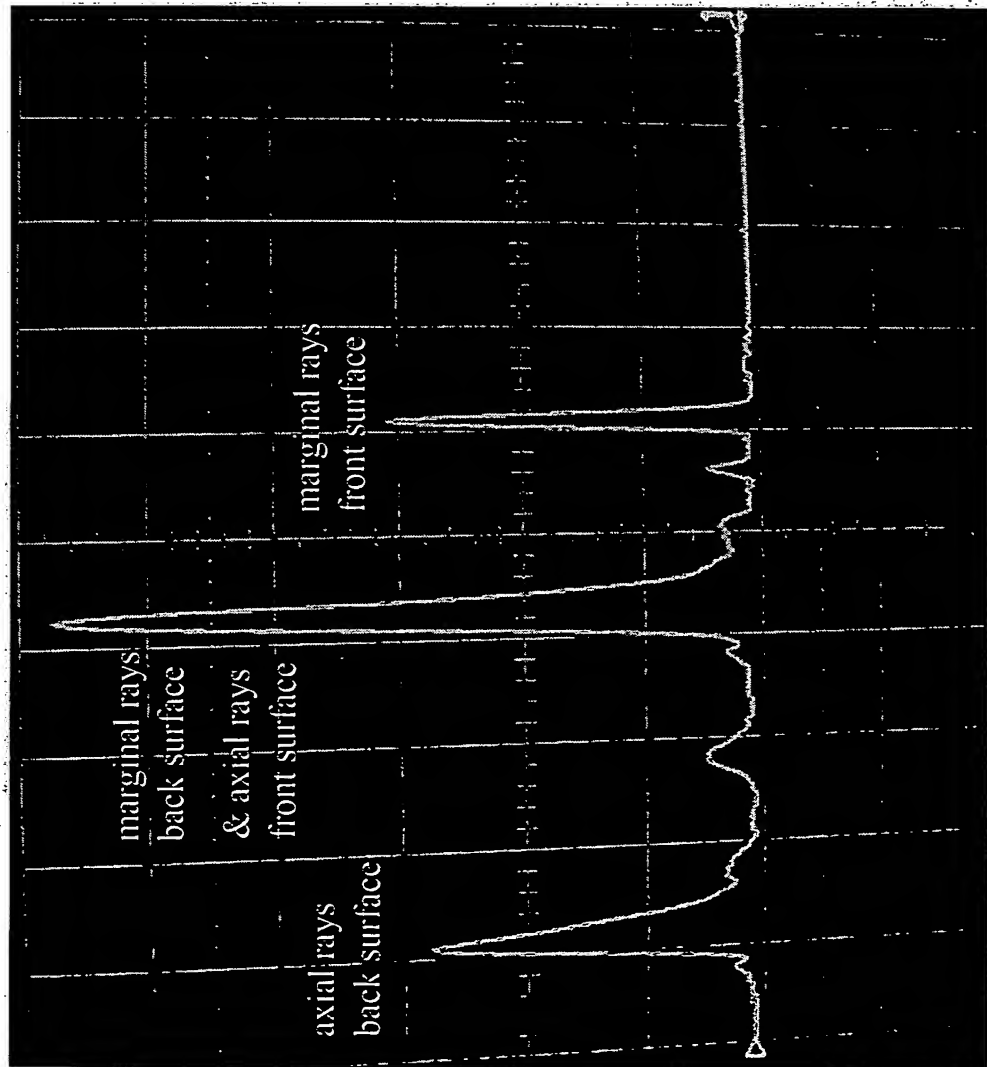
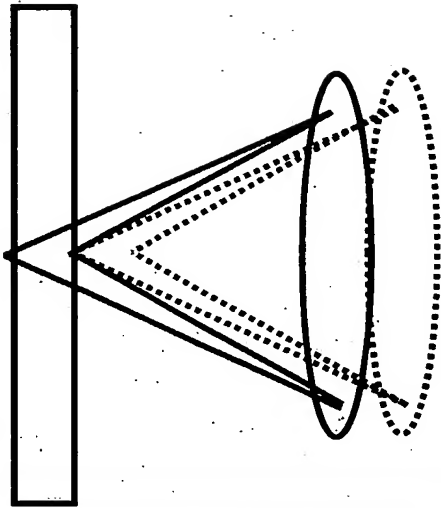
FIG. 39

2/90



Objective focus position

FIG. 40



Objective focus position

Fig. 41

2240

21

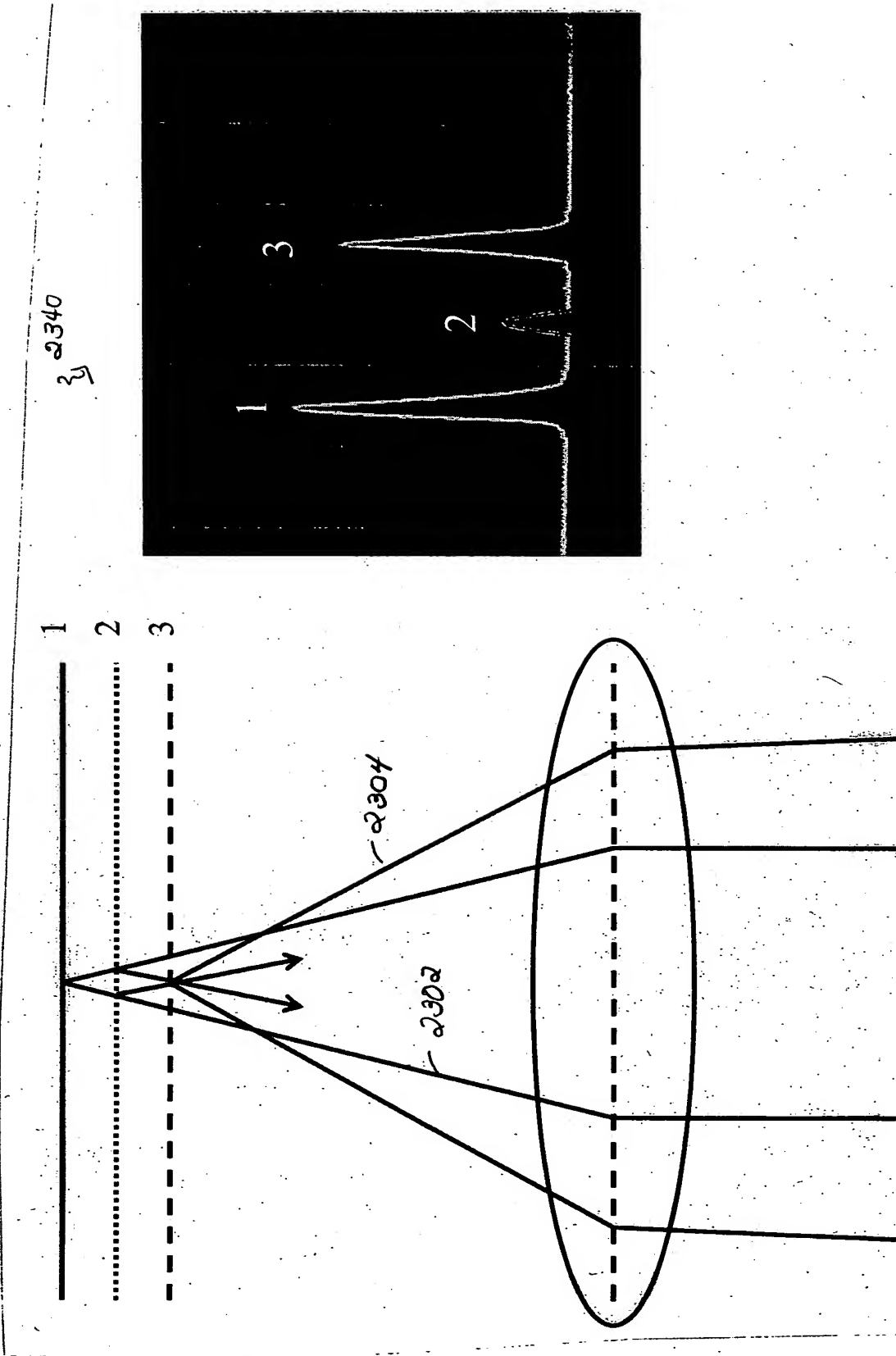


FIG. 42B

FIG. 42A

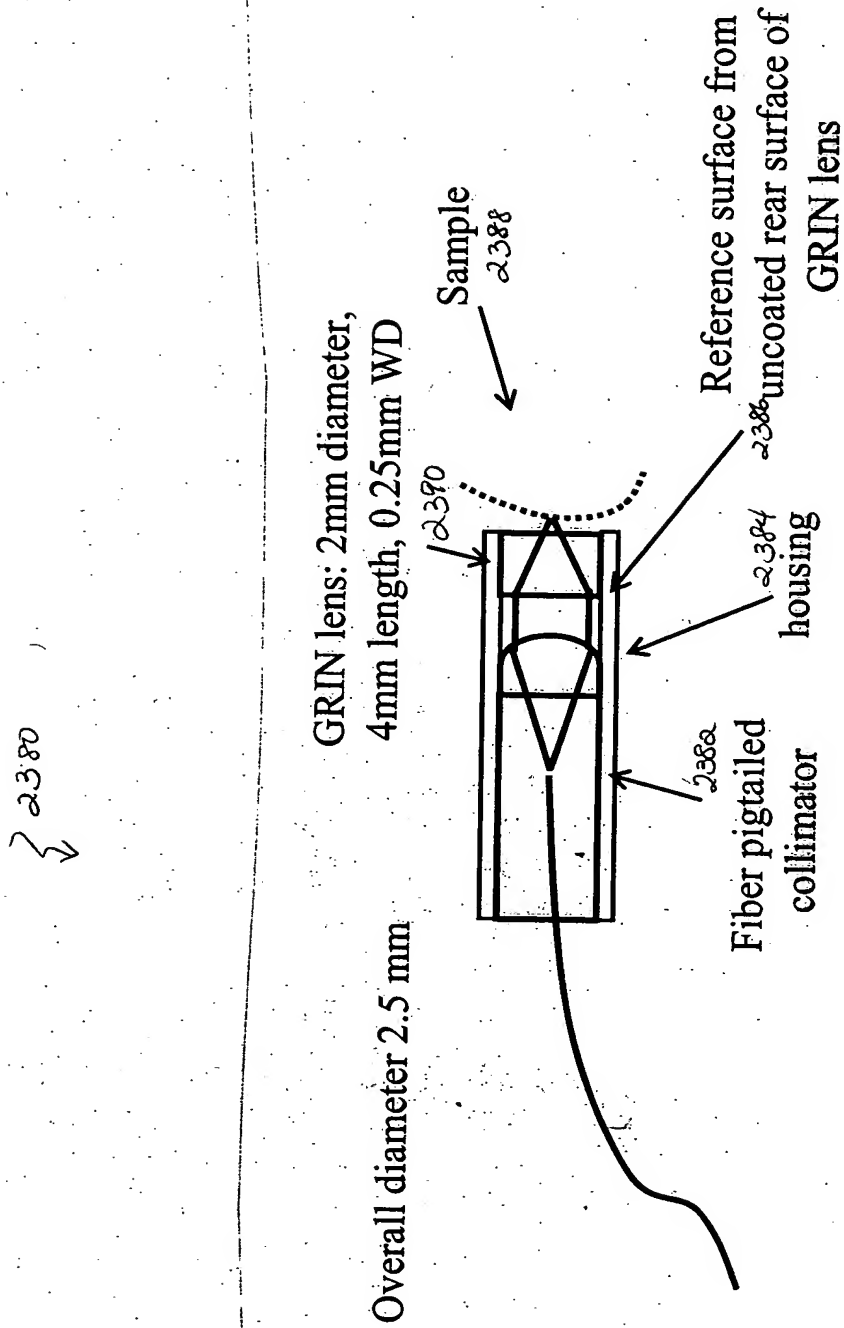


FIG. 43

} 2400

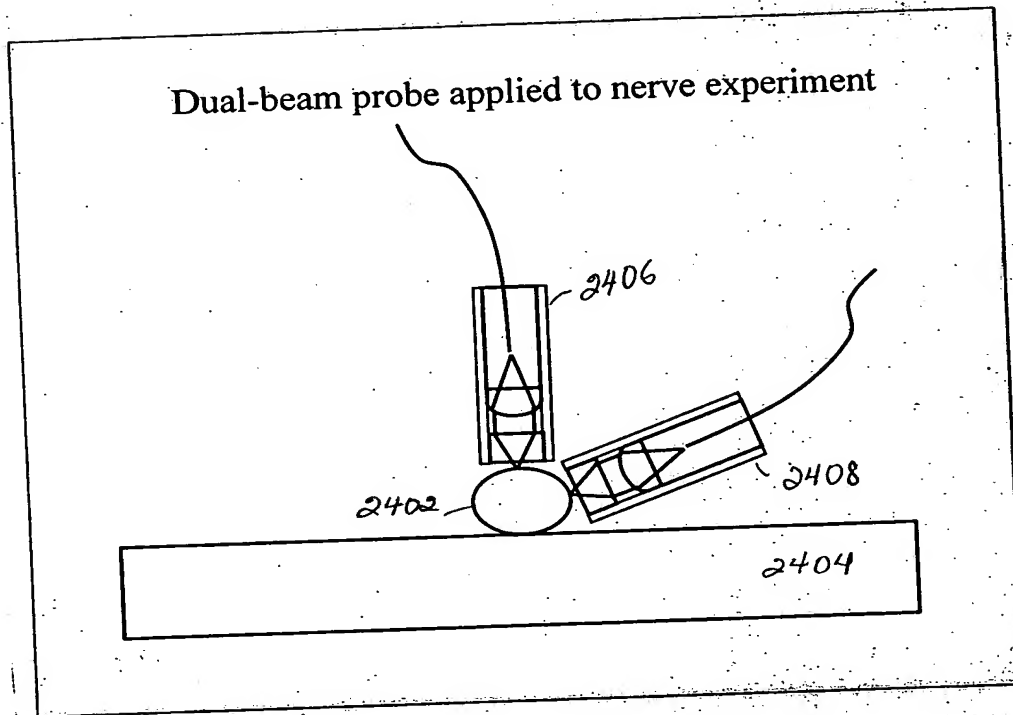


FIG. 44

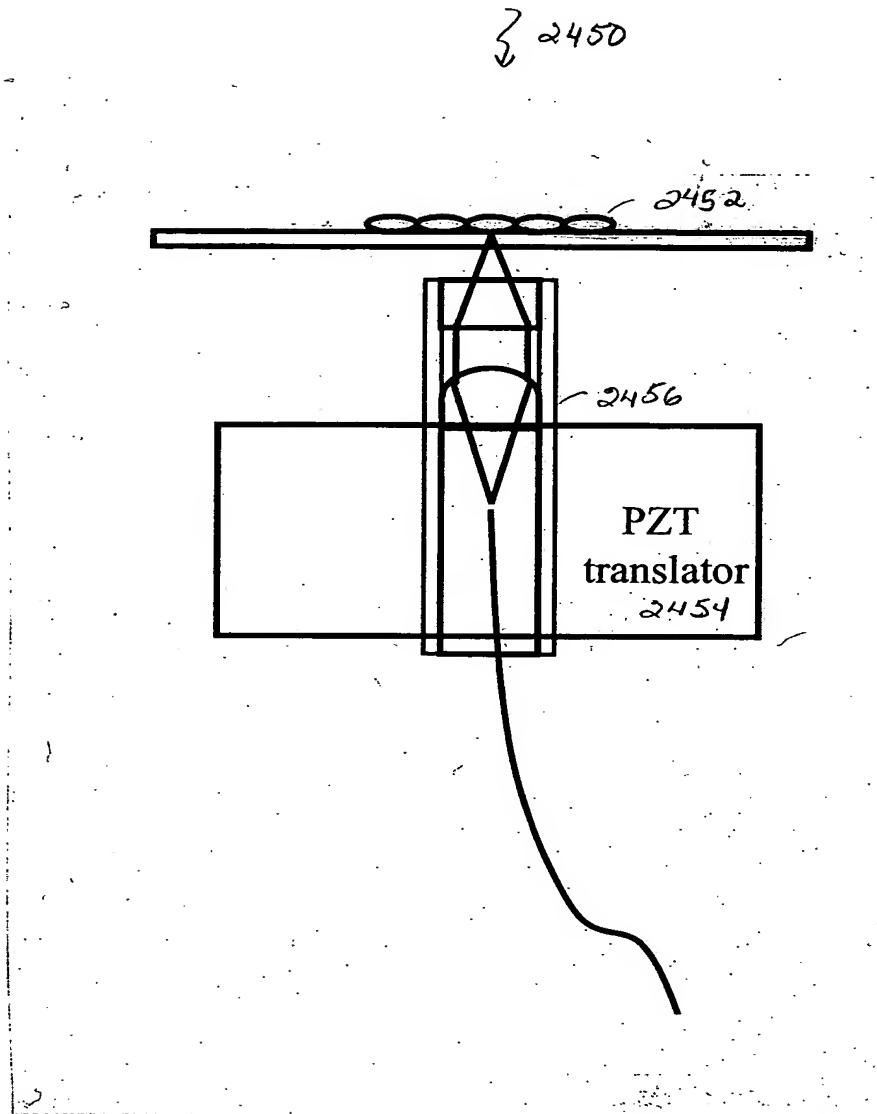


FIG. 45

FIG. 46A

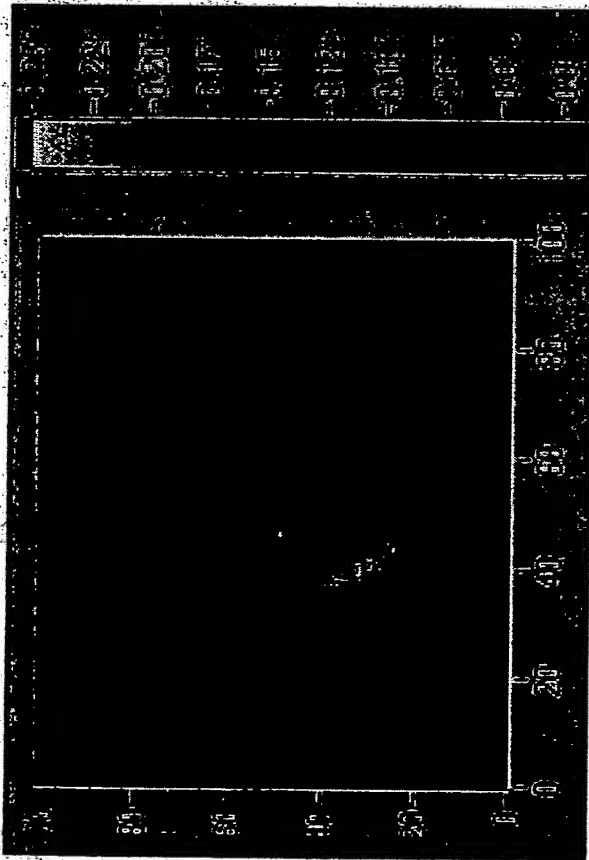


FIG. 46B



FIG. 46C

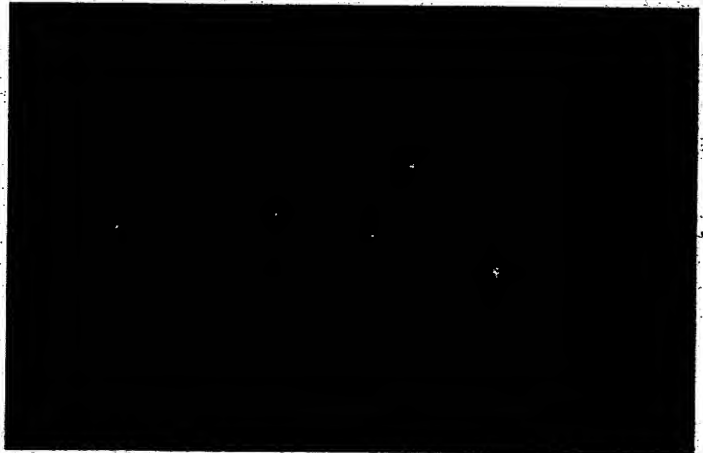


FIG. 46D

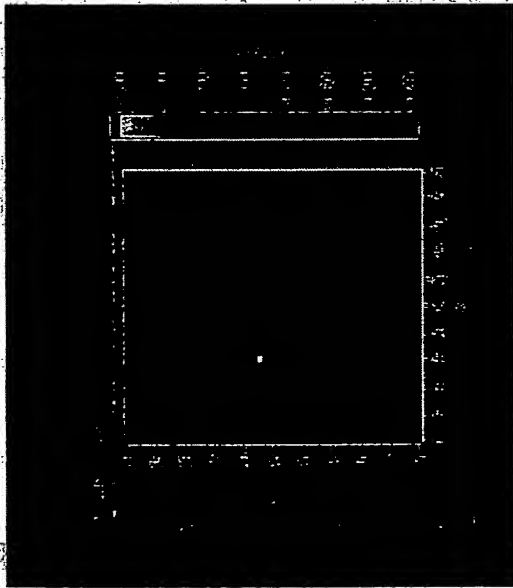


FIG. 46 D

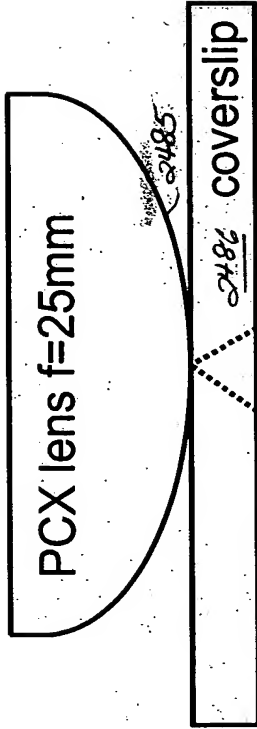


FIG. 46 E

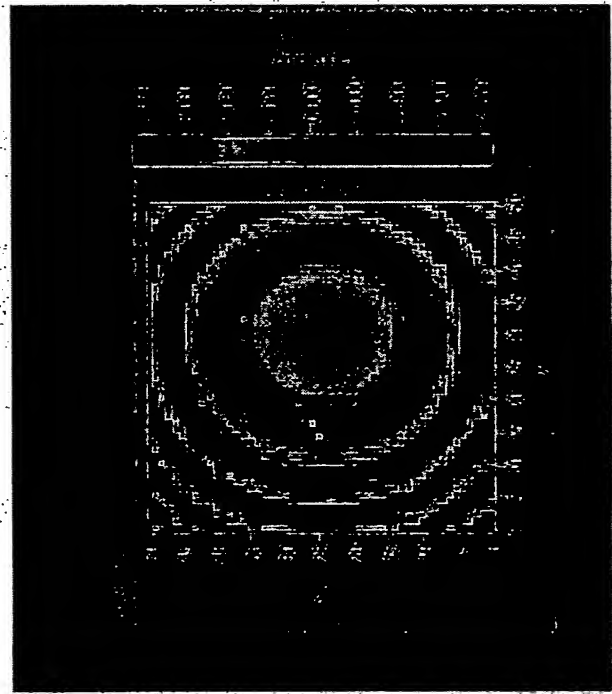


FIG. 46 F

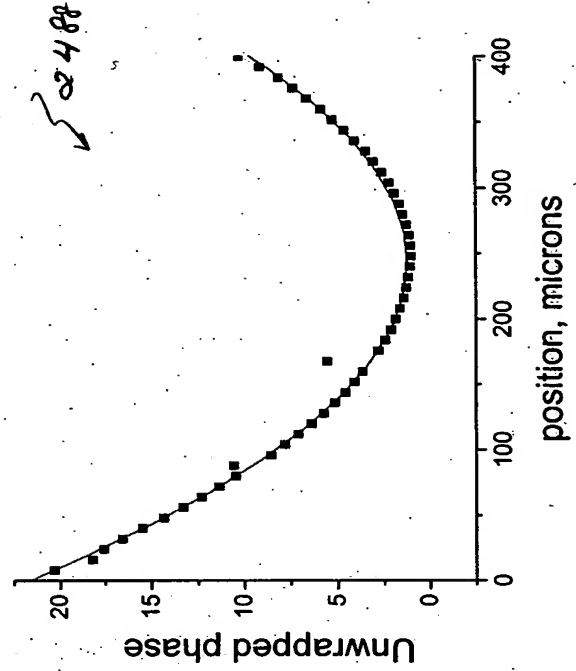


FIG. 46 G

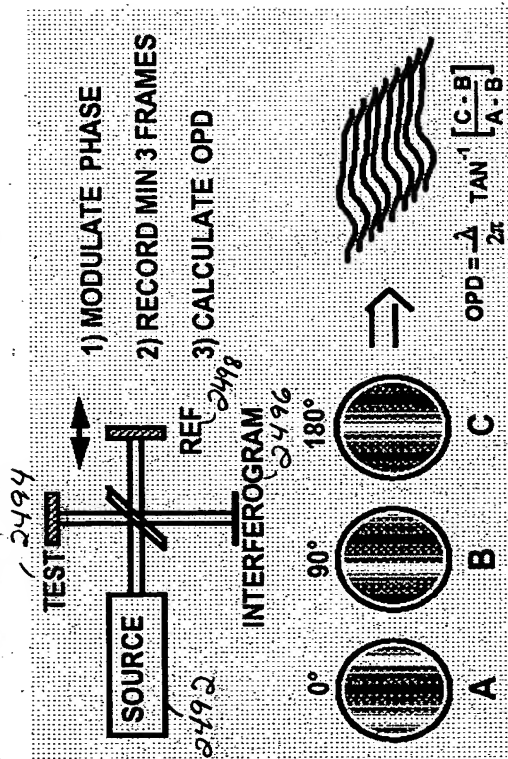
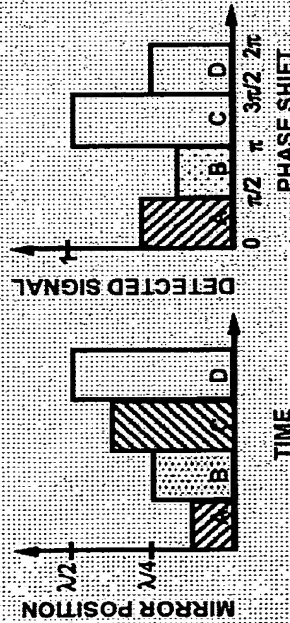


FIG. 47A



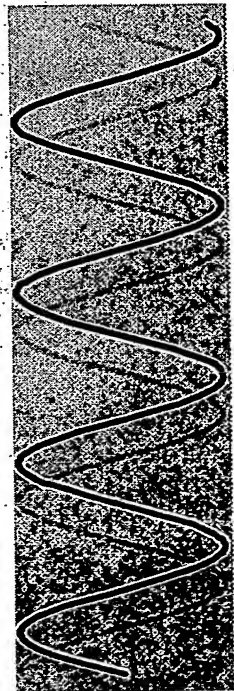


FIG. 48A

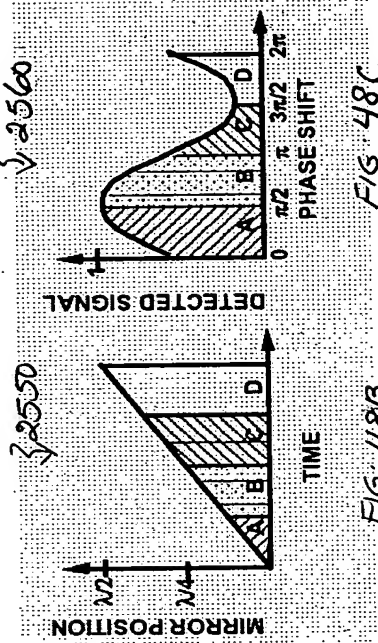
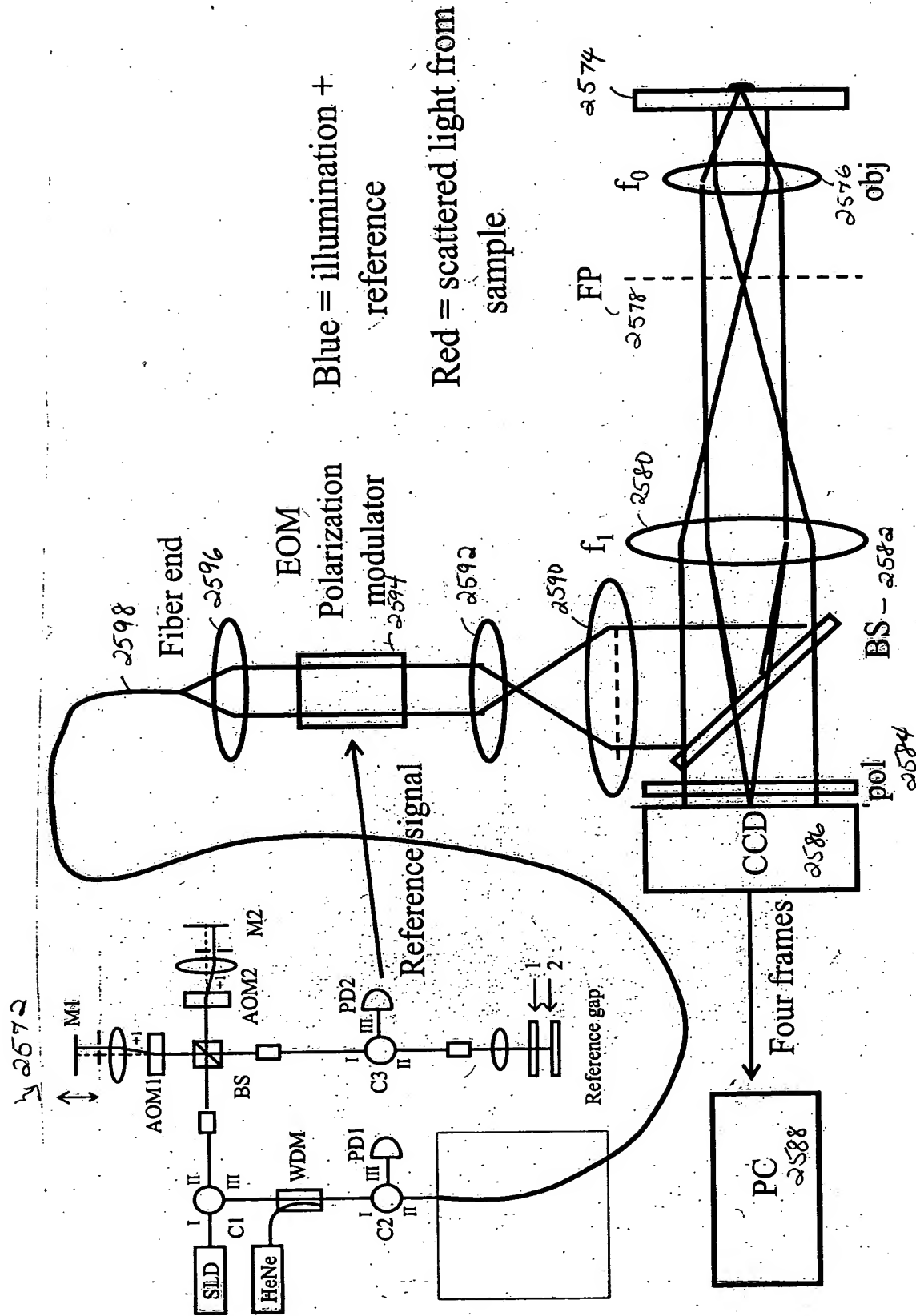
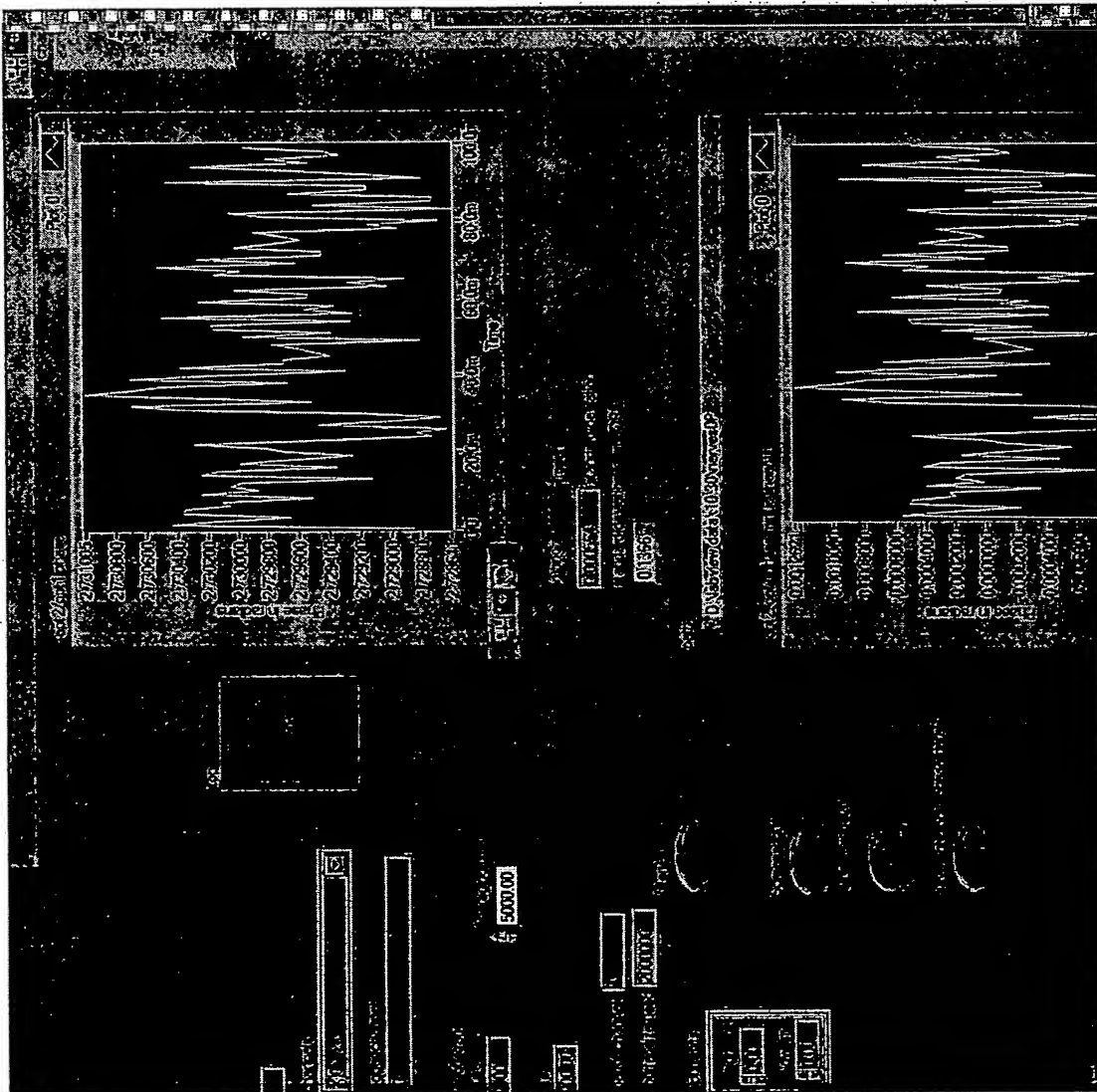


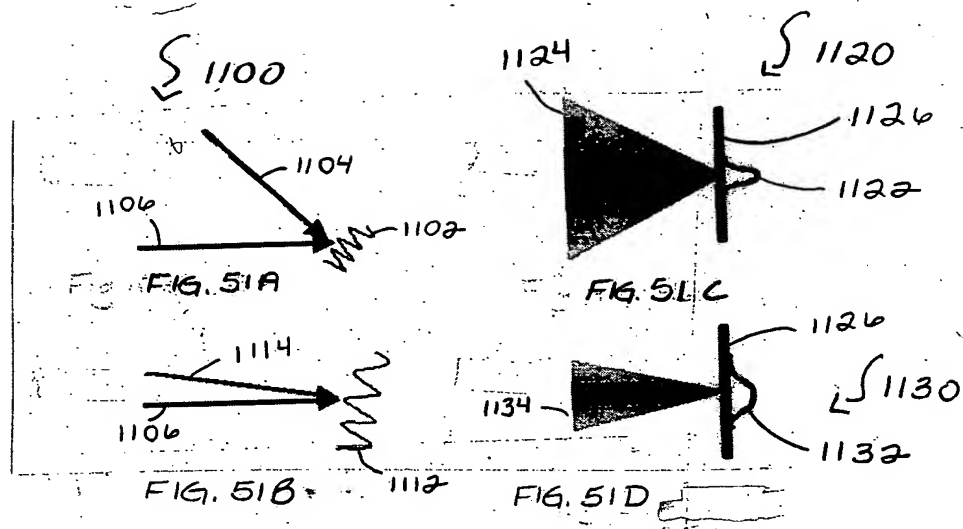
FIG. 48B

FIG. 48C

Bucket integration







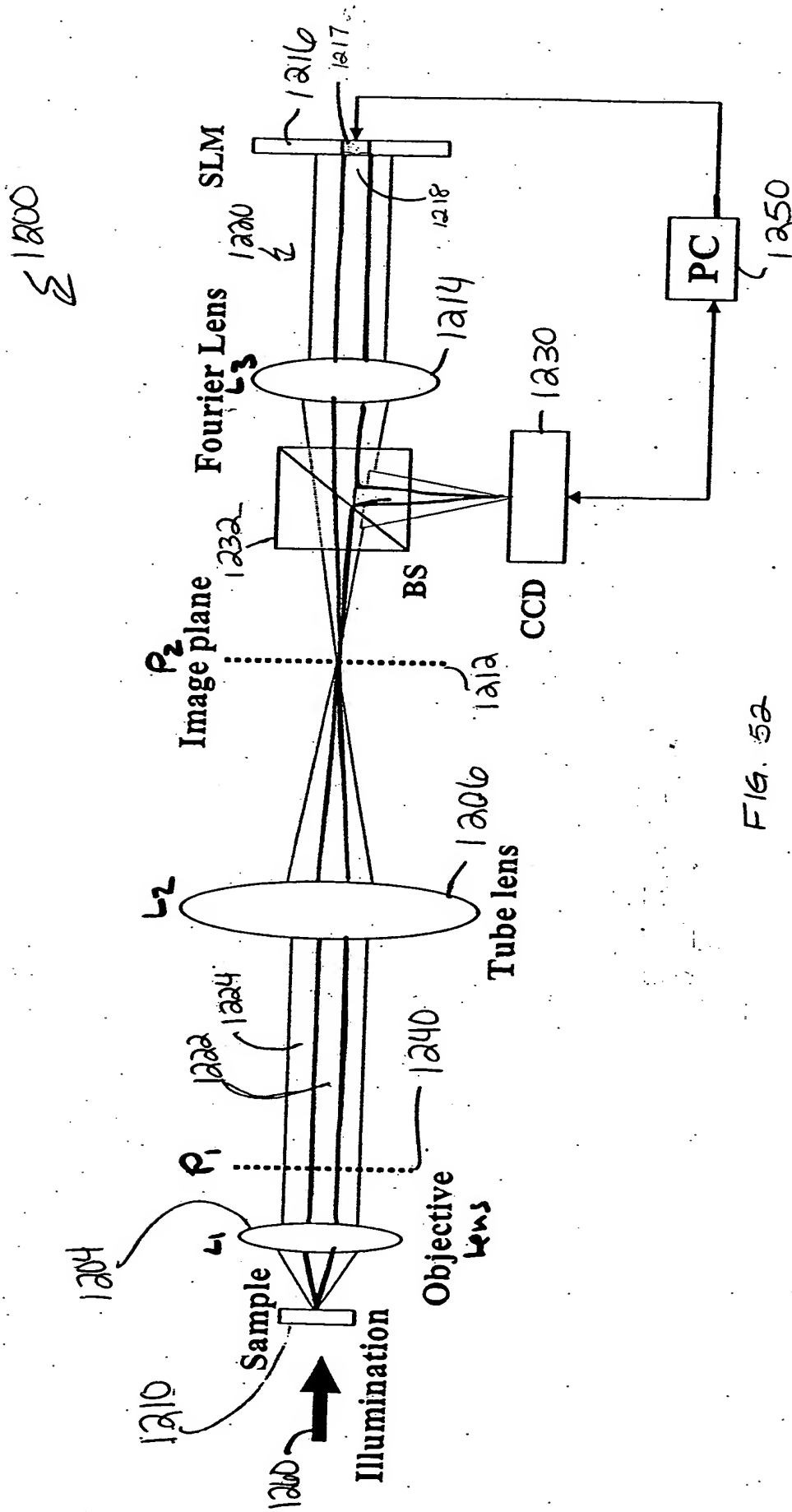


Fig. 5a

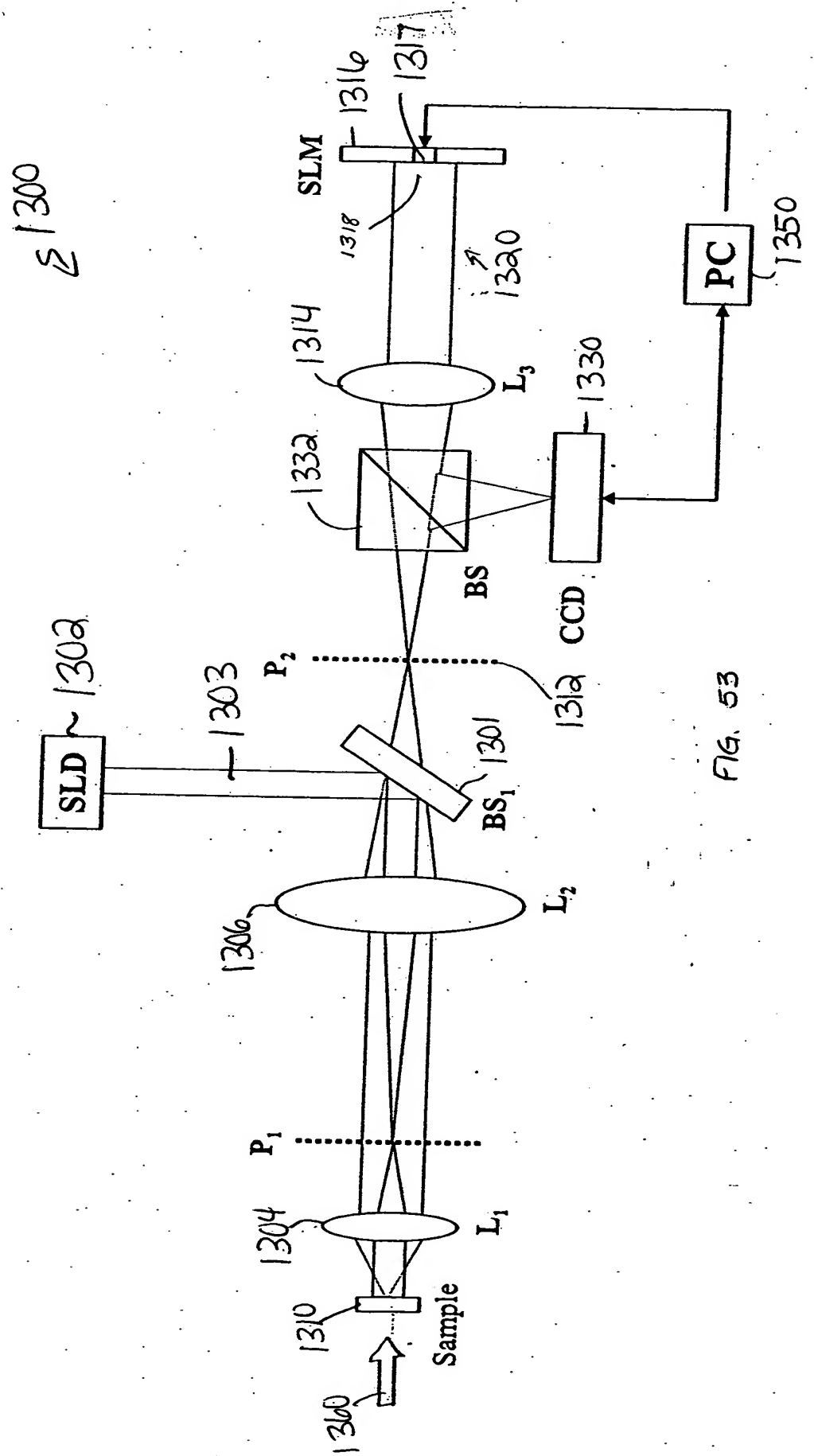


FIG. 53

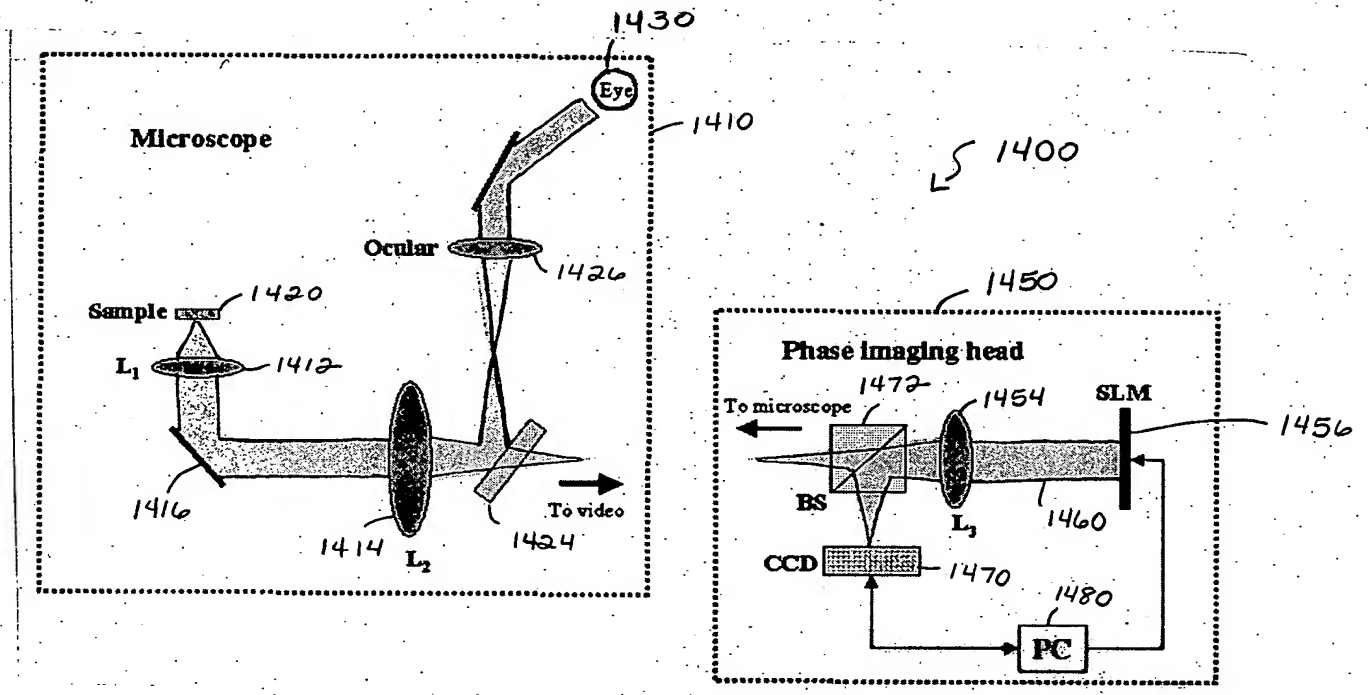
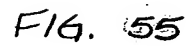


FIG. 54B

FIG. 54A



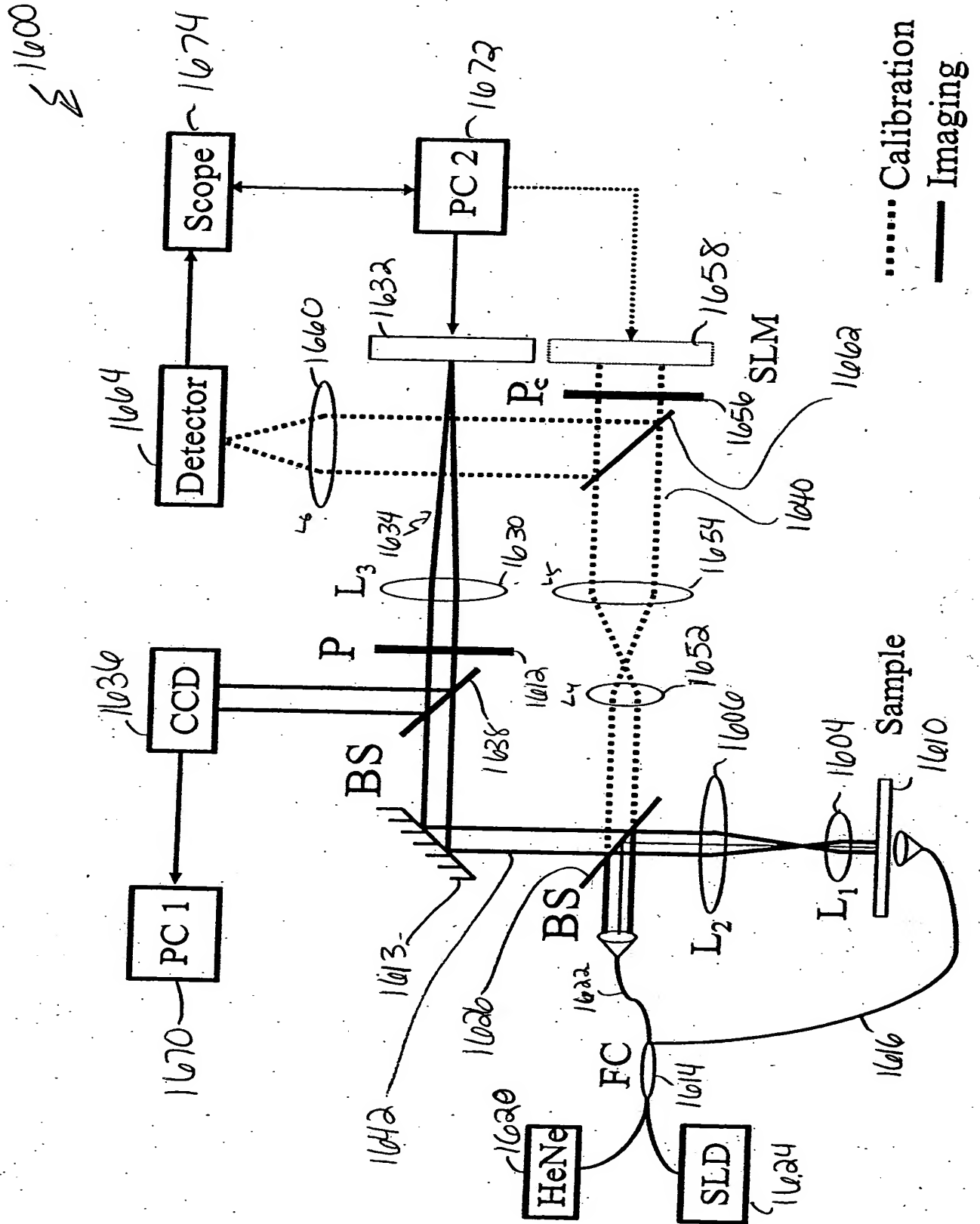
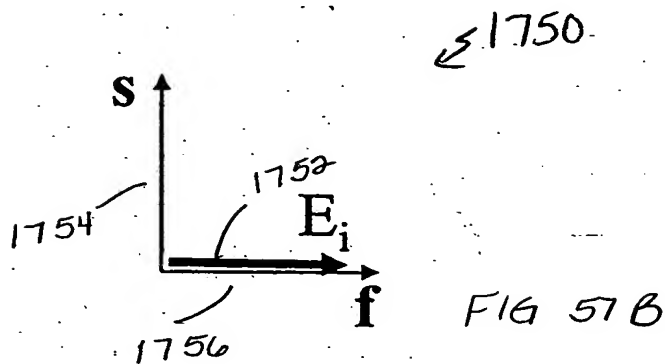
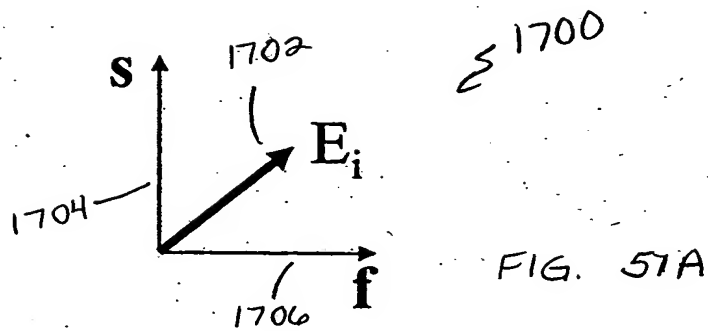
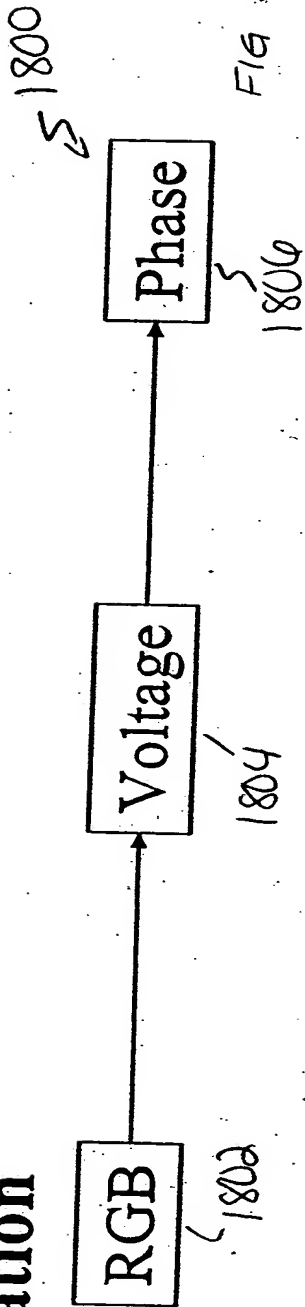


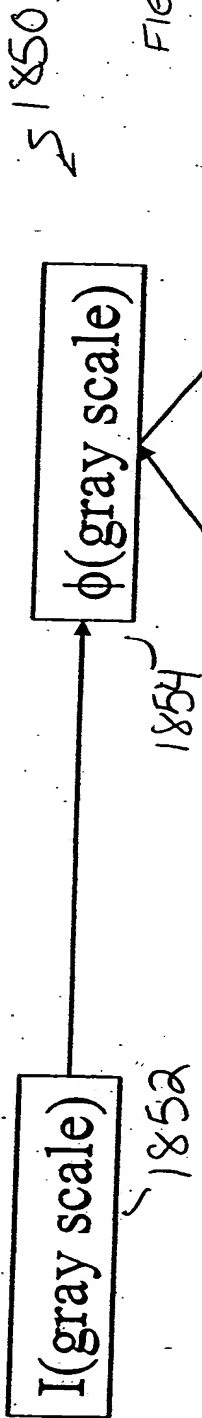
FIG. 50



Operation



Calibration- amplitude mode



Control- phase mode



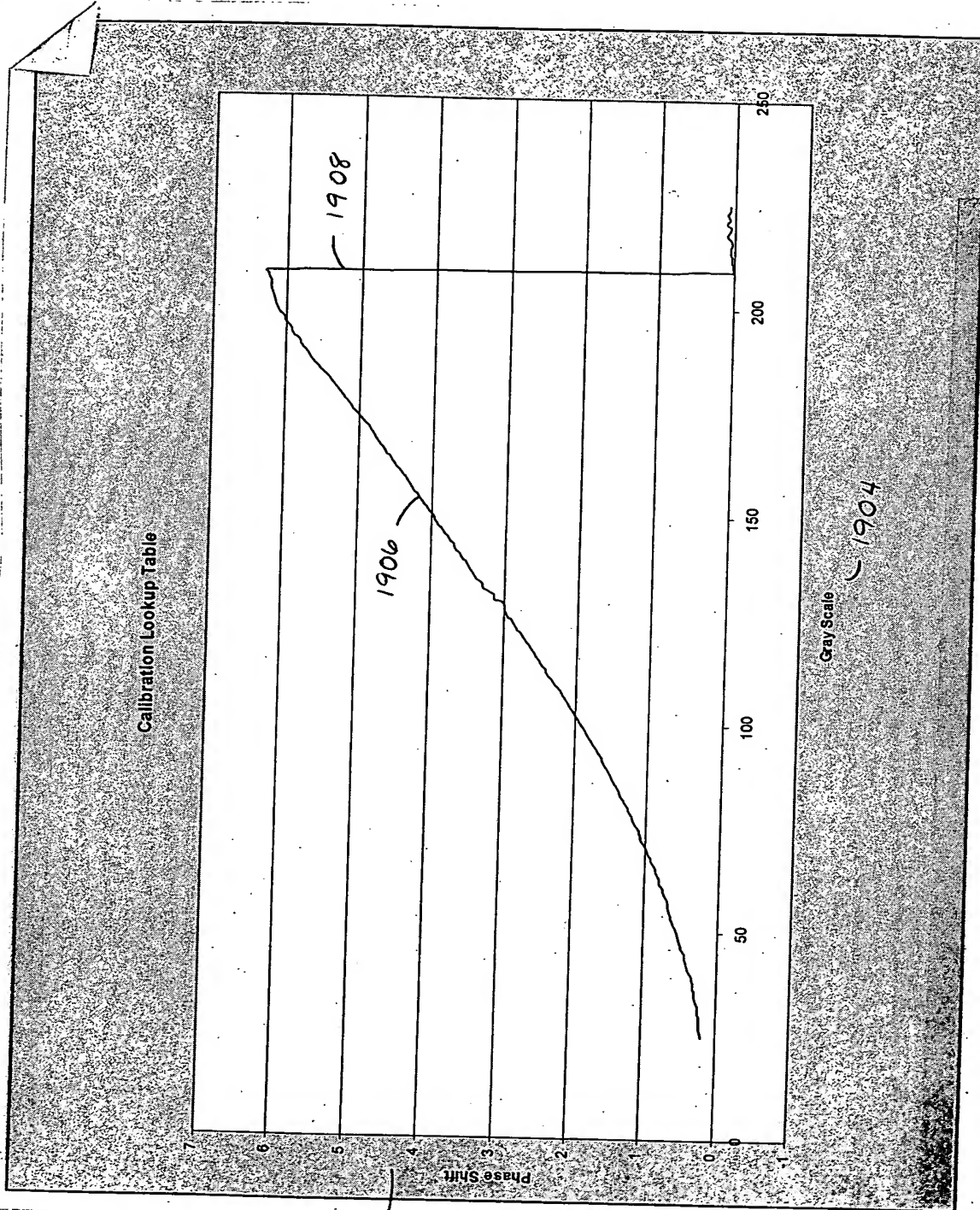
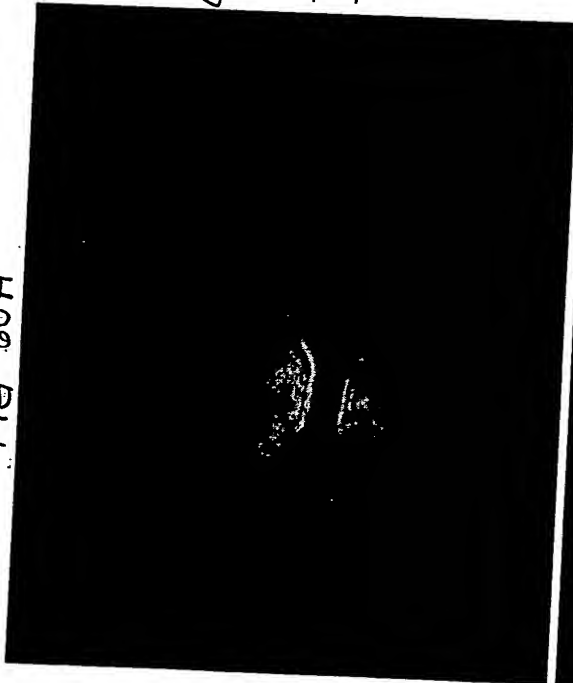


FIG 59

4-frame sequence

FIG 60A



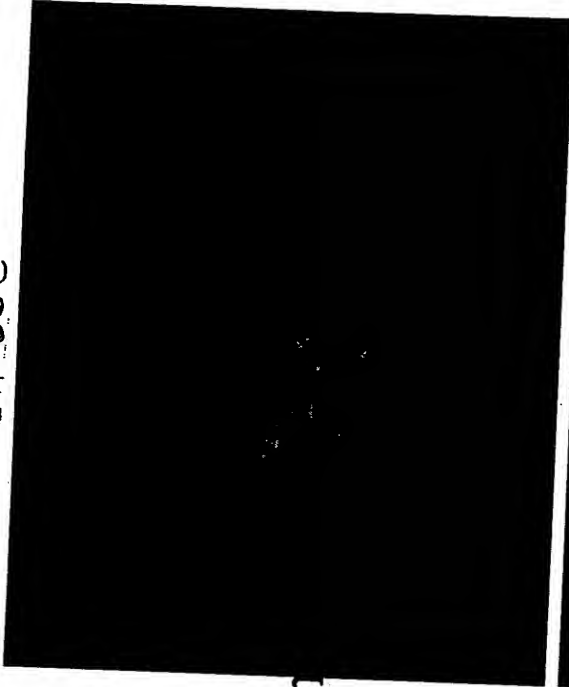
Magnification
13X

2200

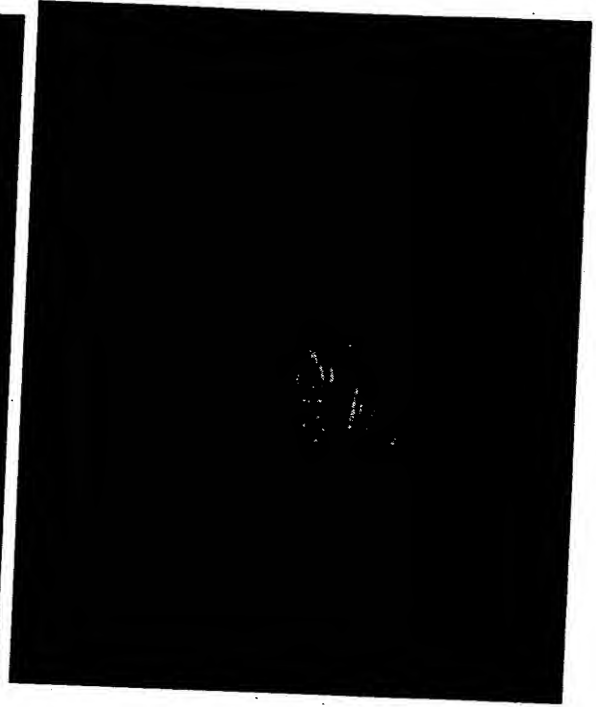


FIG 60B

FIG 60C

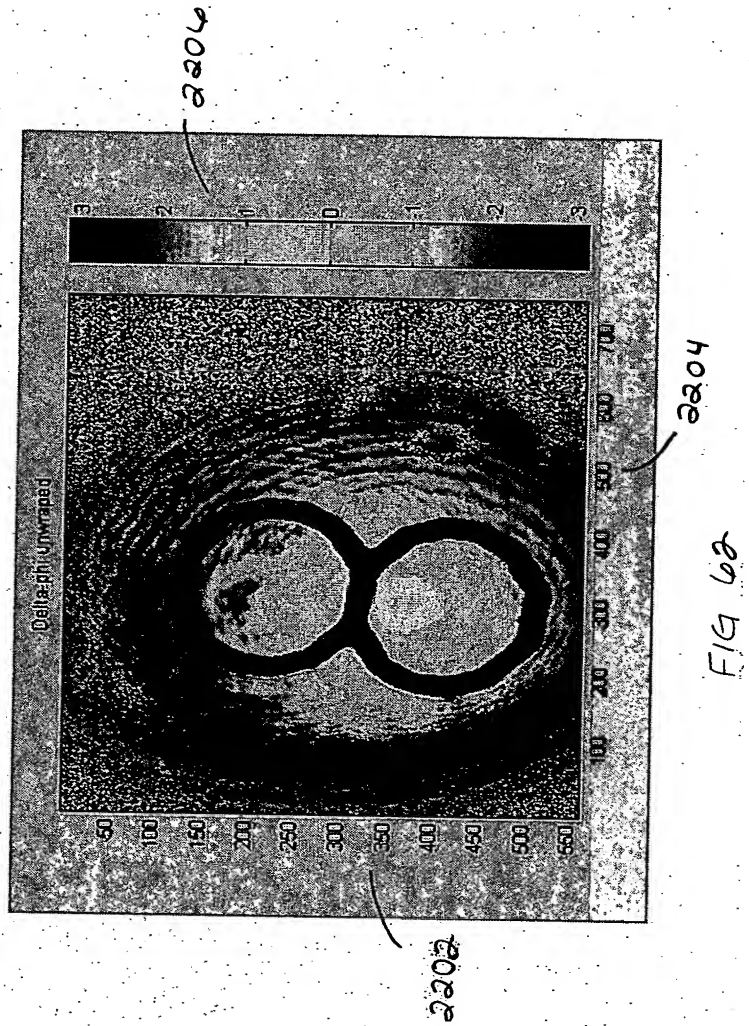
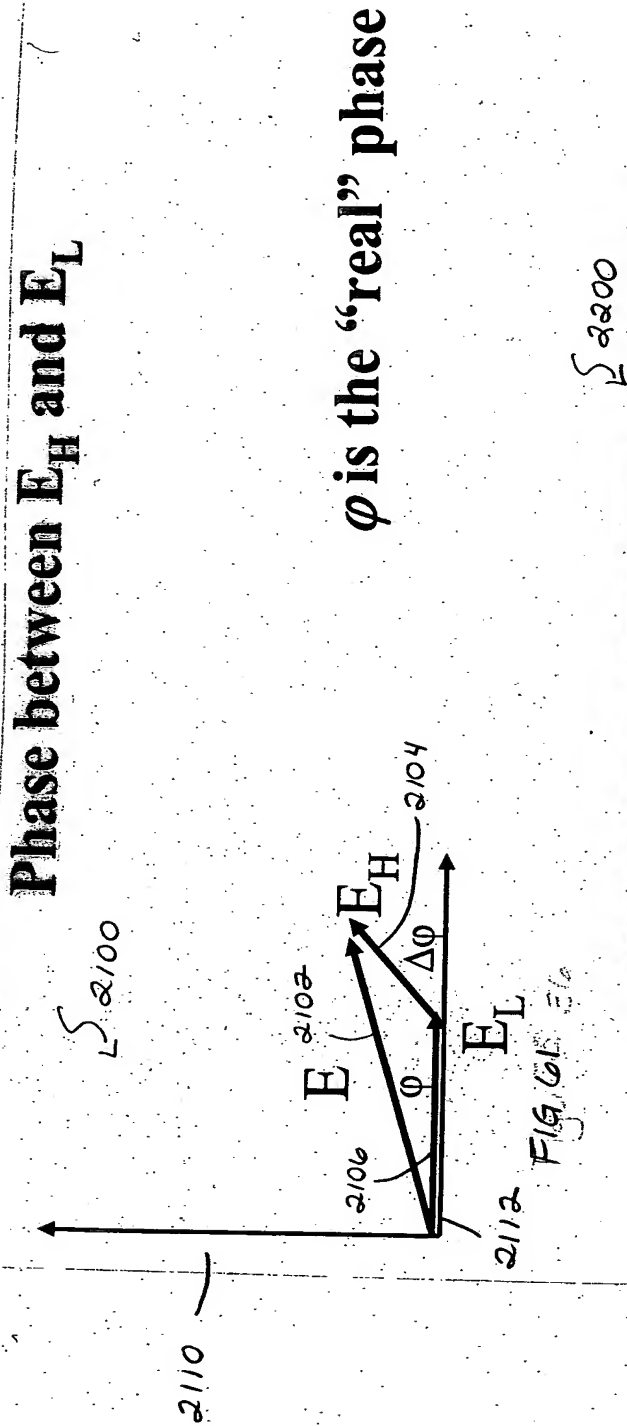


2400



2600

FIG 60D



Phase image
140 nm expected

2300

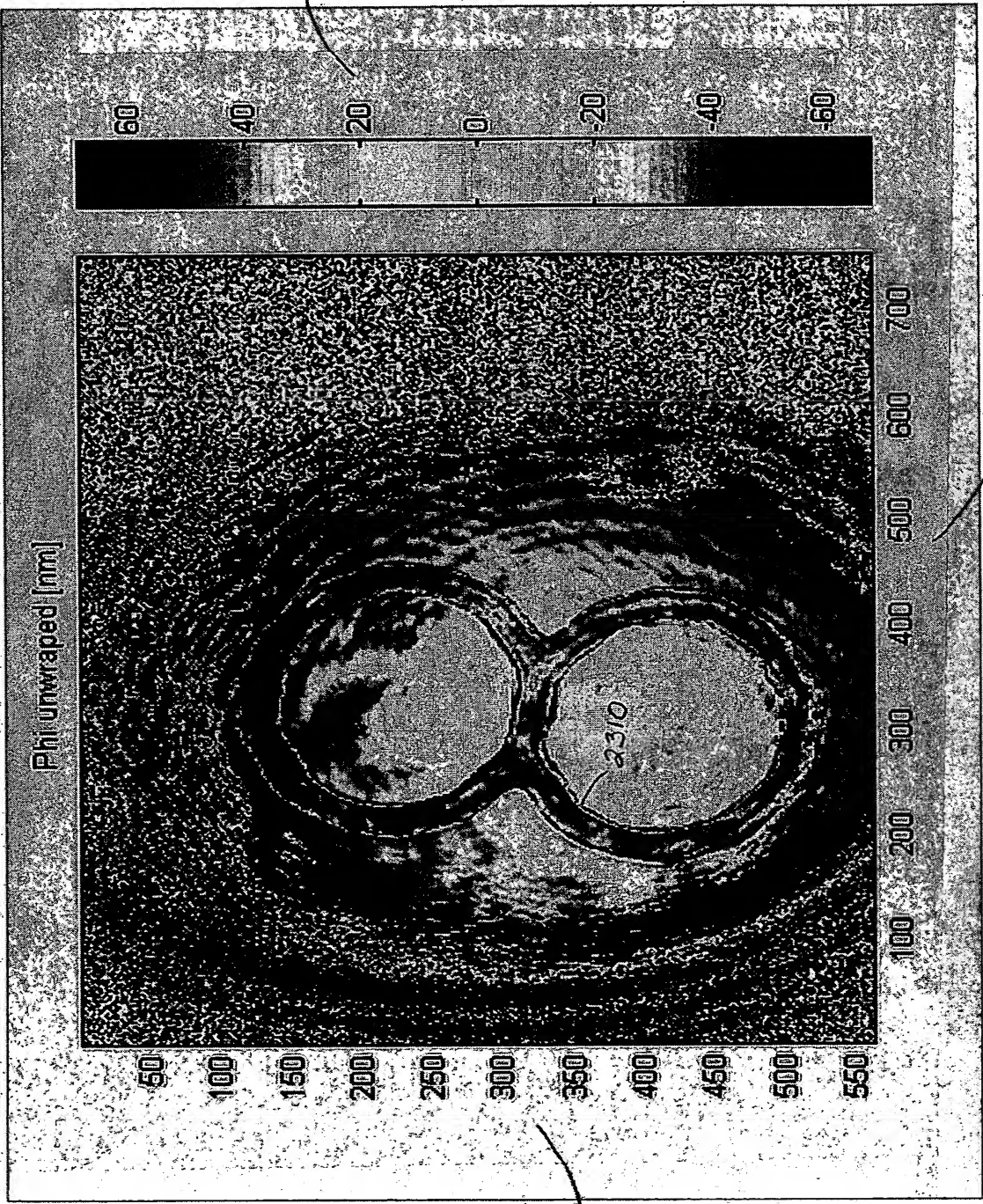


FIG. 63

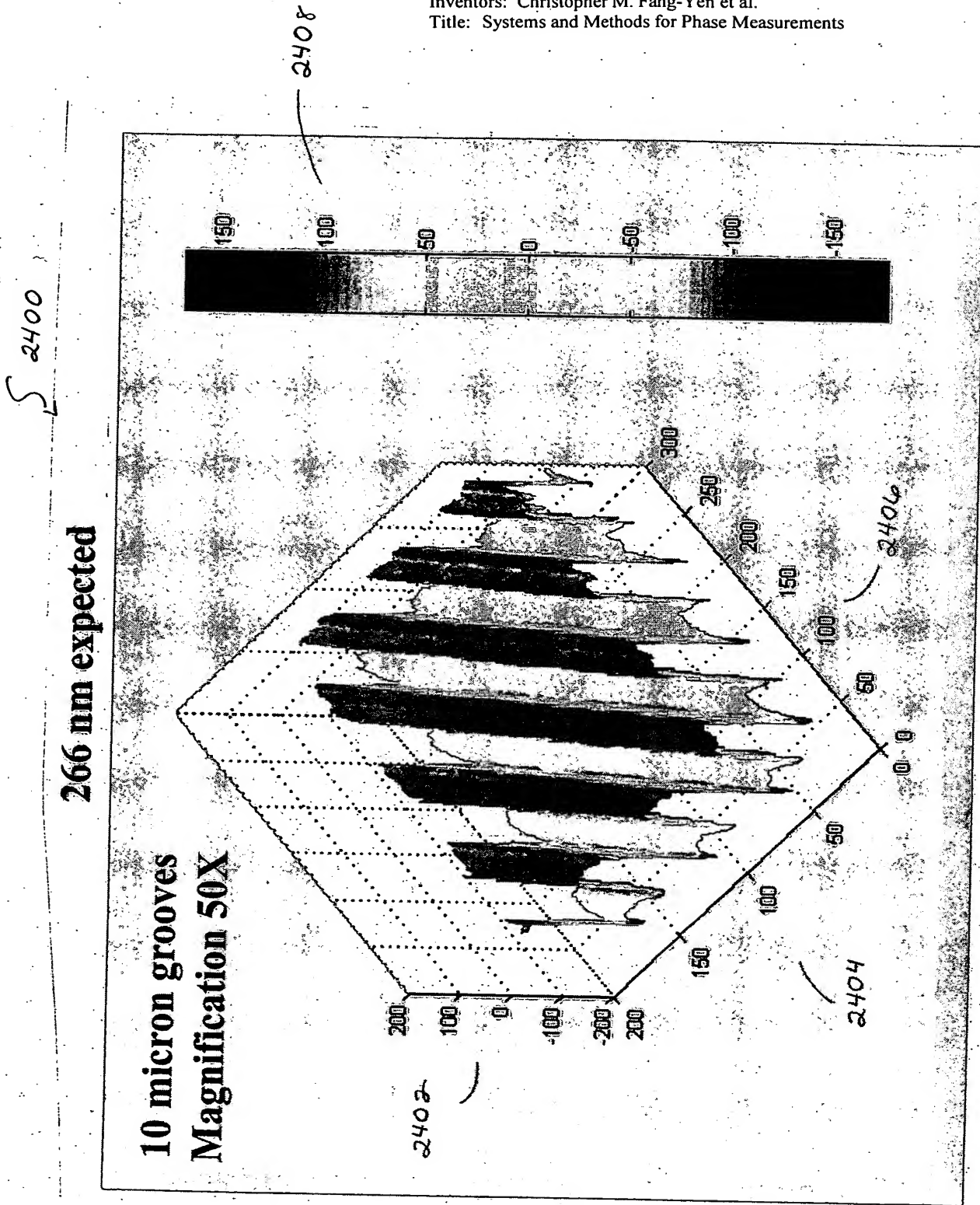


FIG. 64

Onion Cells

Magnification 50X

2500

Microscope (intensity) image



FIG. 65

2550

Phase image

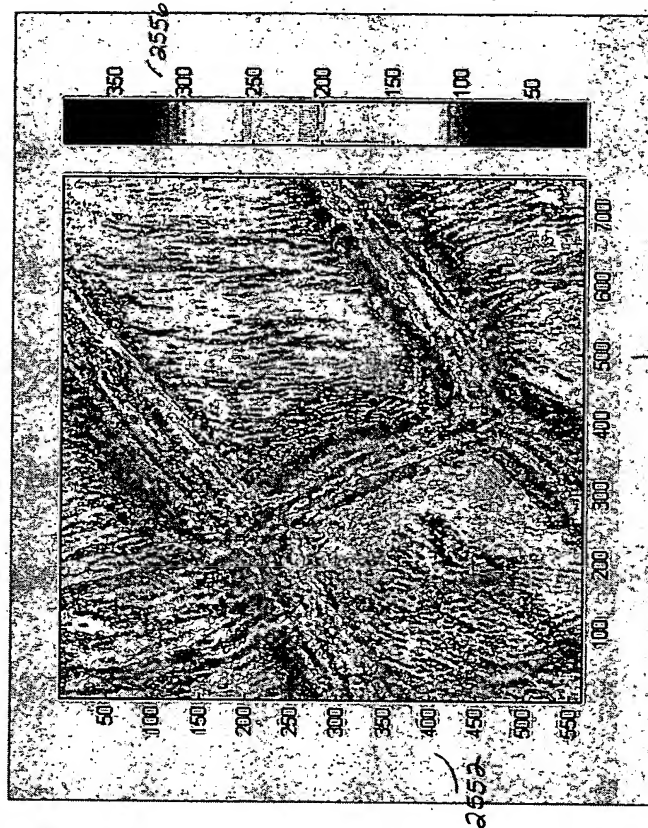


FIG. 66

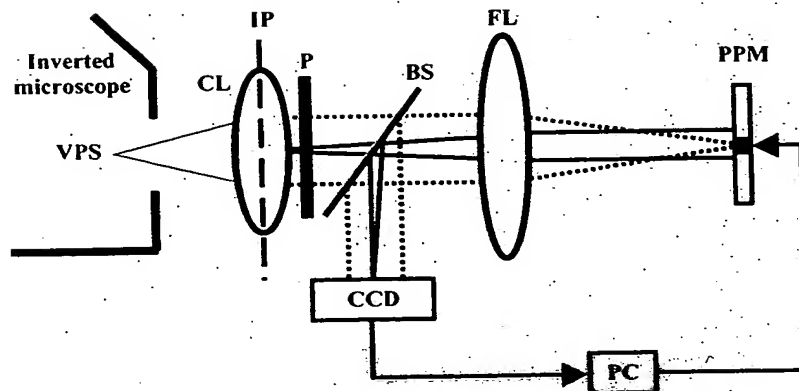


FIG 67

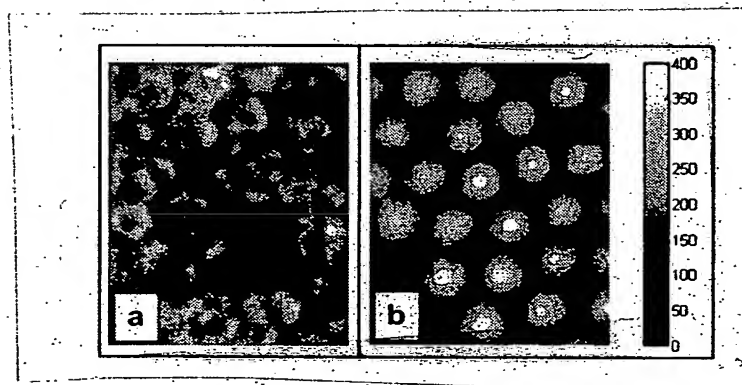


FIG 68A

FIG 68B

FIG. 69A

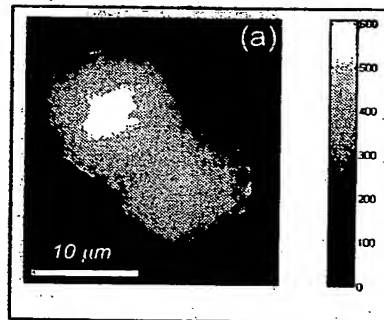


FIG. 69B

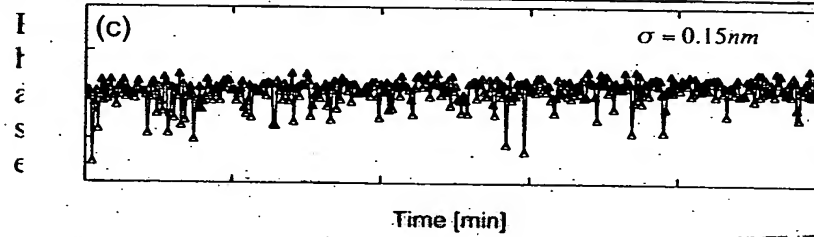
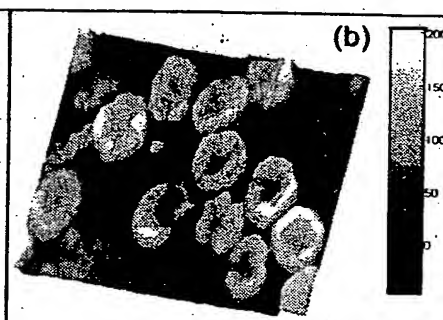


FIG. 69.C